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HOEFJ26	1813	847422	1 - 1620	15 - 1634	BE739632, BE891224, AW015255, BF698946, AA855056, BF542089, BF215913, AV722091, AI761108, AI769464, BE855735, BG115618, AW013861, AI471978, AI554611, AI566107, AI761100, BE044008, AI697876, AW235631, AW197457, AI613072, BG111058, AI948582, AI968131, AI972301, AI651325, BF446764, BE669922, AI810076, BE465857, AI861803, BF346495, BF670914, AI457311, BE326870, N69511, AI693239, AW026025, AW956622, AI697853, BF346544, AI363148, AI669426, BE045707, AA446116, AV724921, BE465753, AI760959, AI337956, AI867185, AW016527, AV645434, AI081838, BE739171, AW752376, AW376088, AI146310, AA305333, AI935763, BF448585, AI564403, AA428607, BF197469, AI078785, AW302724, BF346551, AI422755, AA436958, BE049053, H29008, AW470520, H24564, AW376030, AI263068, W37717, AI474781, H19755, BF333088, AI378043, AI183480, AA446422, AA613358, H50231, H85677, AA194123, H70756, AA432312, W37716, T19231, AW020578, BF699586, AA706747, AW402539, AI610944, D59255, AI032764, AV736008, AI128898, H70755, AI290574, AA693847, H25994, R64414, AV741228, H26028, BF664998, AI038408, AI424760, BF961626, BF961947, AI401249, AA631010, AW779480, R56779, AA194014, R31352, R53530, T94362, R63808, H84747, T94716, T34385, AI001764, AA093748, H50266, AI695356, BF963867, H46304, AA535742, AA496052, BF959253, AW022385, BF963620, BF961859, AA557756, BF945255, BF956655, R32854, BG003573, D62507, AA377773, R28125, BF956891, R53641, BF825534, AW362470, AA320166, AW882825, AA806796, AV737585, R28014, BF854876, AA714453, AA669840, BF681619, N64587, AV760937, BE139358, BE350772, BE139267, AI471481, AA573003, AA491814, BE042649, AA623002, BF677892, AA295130, AV762139, AI284640, AI004591, H19756, AL046409, AA707849, AA587991, AW511743, BF940837, AI801600, AV710482, AA191418, AI610159, AI580707, AI061313, AA364429, AI590593, F17891, AW157005, AA992126, AV762741, AV760014, AK026849, AL050331, AF042181, AL031229, U67827, AL118520, AL445483, AP001053, AC083866, AL121653, AC010480, AP001752,

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HOEFL74	1814	561649	1 - 875	15 - 889	<p>AI200918, AI032719, AI860539, AI857371, AI440419, R01257, AW079636, AA833671, BE067144, BF964231, BF961041, AI903849, AI913094, BF699506, BF698221, BG008100,</p>

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HOFMF63	1815	847423	1 - 1564	15 - 1578	BF382972, and W52095.
HOFMJ65	1816	664498	1 - 2068	15 - 2082	AA788946, AI754368, AW589794, AW303444, AI755129, AW069293, AI831403, AW237056, AI093206, BF590639, AI863045, AW081949, BF436541, AI753354, AI348137, AA393803, AW580831, AI753546, AI141432, AI754760, AW069235, AI679040, AI270477, AA678550, AI753984, AW272507, AI890627, AW152185, AA142985, AI679765, AA600345, AA081393, BE145976, AI683662, AA599911, AA393869, AW591050, W72891, W78174, AI554502, AI368694, BE348336, AW958858, AW022057, AW069330, AA723207, D59314, AI683274, BE645517, AI911862, AI825356, AA663291, AI750957, AA147548, AI918010, AW580891, AI445315, AW083677, AI752931, AA994259, BE645514, AA150915, AL138165, AW275175, AI923317, AI955804, AI002980, AI584114, AA679767, AW956188, AJ243226, W92396, AW513287, AA478481, AA678400, AI753210, AI754137, AI753172, AI635318, AA705988, D62627, AI016709, AI469093, AI539100, N64047, AA852182, AI346933, W58265, AI142490, AA659665, AA614734, AW239269, N90566, BF912455, D79766, AI926391, H93952, AI382388, AW438987, N93406, AW371066, T93254, T95571, R09121, BE934809, W92395, W76096,

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HOFMK02	1817	684308	1 - 1657	15 - 1671	AW574961, AI807516, AI861880, BF431687, AI439139, AI708789, AW474878, AI378280, AI758934, AI872182, AI655804, AW006858, AI766297, AV725002, BE328788, AW275820, AI628940, BE044091, BF183944, AA044756, AI862794, AV686835, AI696894, AL118941, AW136462, AI521213, AI634692, AA255874, AI357615, BE622897, AA830159, AI347920, AI587355, AA804492, BF103932, AA989038, AW197076, AI568681, AI571020, AI637822, AW386872, AI139658, AI146675, BE541314, BE748592, BF680092, W15270, AI141389, BG059558, AA037784, AA830170, AI499382, BF694776, AI341758, AA708258, BE874301, AI359904, Z30251, AI538946, AW302539, R70660, R62821, BE940414, AA847126, AI765553, AW630393, AA533862, BF095469, R82850, AA355404, AA044677, AI468111, R70548, AW302234, AI370148, R22970, AA283294, AI691144, BF991946, D79665, BE002385, AW971745, AW877209, AL119457, AL119319, AL119399, AL119324, AL042544, AL119443, AW804686, AW392670, AW861944, BE695785, AL134902, AL134920,

0950083 091201

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HOFMO16	1818	596835	1 - 1128	15 - 1142	BF569876, BF569788, BF337229, and AF277719.
HOFMP62	1819	866469	1 - 886	15 - 900	AI475371, AW827203, AI349772, BF971016, AI269205, BF882343, AL045500, BF968493, AI349004, BF883916, AW071349, AW268220, BG260037, AW827249, BG165051, AW087445, AL036736, AI491852, AI521012, BG180996, AI636456, BE879906, AW238730, BE018711, AV713079, BG179993, AL040169, AL036396, BE047852, AI815855, BG257535, AW301409, BG105099, BE785905, AI802542, AI285735, AL514983, BG036846, BG120816, AL119049, BF344652, AW827211, BG058208, AI538716, AL514129, BF724691, BF725644, BE881061, AL036802, AV711924, BG031815, AI560099, BE048071, AL046849, AL513597, AL513907, AI433157, AW274192, BF812933, AW103371, AV655645, AL513763, AW162071, AW150578, BG109270, AI868831, AV758806, AV681586, AV757018, AI934035, AW999049, AV681869, BF795712, AI439717, AL514691, BF343172, BG109221, BE964812, AW268253, BF970162, AL047763, AI564719, BG032704, BE877769, AI064830, BE964700, AI349645, AI520931, BF342070, BG114104, BF527014, AI620284, AI682841, BF968041, AV682249, BG168696, AW071417, AV711509, AL514919, AI432969, BG058398, AI580984, AI445025, BE018334, AW151485, AV724841, BF817926, AL121365, AI274541, AW104724, AL135661, AV715354, BF791952, BE966388, AL036146, AV756477, AL514627, BG109140, BF526020, AV652906, BG112879, BF037097, AI340582, BG250190, AI524671, BG110684, AI610307, AV762619, AI619502, BF793187, AI702433, AI580190, AV757705, AW026882, AV757362, BF885675, AI783504, BF816811, BF794994, BF107573, AI636445, BF812938, AW074993, BG164371, AI673710, AL036361, AV681647, AV755290, AV733385, AV758110, AL514935, AL036631, BF054789, BF726297, BE887488, AI312152, BG253026, BF812961, AV710608, AL043326, AI500523, AI866780, AI349937, BE781369, BE048026, AV738991, AL036274, AW169671, BE881134, AL121014, BE891101, AL079963, AL121270, BF792469, BE172767, BE966634, AV681951, BE783707, AV681668, BF793644, AL040243,

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HOFMT59	1820	588458	1 - 1312	15 - 1326	AI560980, AA740906, AI669718, AI753985, BE247019, AI690409, AI056420, AA176209, AA021042, AI743492, AW298193, AI074216, AW963091, AW104305, AA897747, AU153448, AW023150, AW023144, AI091895, AA465346, AI524668, AA772708, AW955394, BE501627, AA723019, AW015918, AI808692, AA907049, AA605153, AA991573, BF131396, AI886790, AI873056, N20568, AW661974, AI285496, N29526, AI360536, AA327294, N23761, AL120793, N26107, AA953655, N29548, R70134, AI868145, C01004, and AK023204.
HOFMV22	1821	812864	1 - 607	15 - 621	AF161462.
HOFND06	1822	824241	1 - 2130	15 - 2144	BF001905, AW976587, AW965864, AW236949, AL046946, AL046945, AI685733, AI949272, AA744739, BE048727, BG114555, BF435319, AI623170, N98830, AW057572, AW152488, AW770518, AI741950, AI088454, AW029348, AI809597, AI566007, AI978798, AI692972, BF221868, BG036032, W81048, AI476244, AA570074, AI935758, AI202340, N36795, AI493394, BE350227, AW193549, W55927, AA771924, AI091618, N70184, AI636267, AI761576, BF002999, BE045949, AA503827, AI262075, W32113, W81101, AI978824, AU158072, AW594040, AW236700, AW665647, W61339, AA993456, AI769854, AI735436, AA830152, AI970837, AA830232, AA046321, AA860669, AI263107, AW965973, N66570, AI290430, AW451675, AW449960, AI832981, D30948, BF350785, D31284, AI014410, AI611085, BE973656,

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HOFNY15	1823	668259	1 - 1173	15 - 1187	AL514362, AU143540, BG036197, BG031637, BG035417, BE264998, AU126380, AW249380, BE788310, BE536878, BG025599, BF111644, BE467972, BE328861, BG028827, W90044, BF206124, BF699146, AI338045, BE669441, BE742742, N26338, BF507898, W79626, AA136405, W87443, BE348564, BE702225, T27099, R20623, BE769551, BE539500, R55686, BF364126, W79482, R13502, AW136308, BF194842, AA931694, N46128, W40494, AA081640, AA478905, AW058071, BE243883, AW182353, BG169663, BF372424, AA478787, AI186810, AI277412, AI767123, AA703389, AI282660, W90000, AI193958, C03423, W87306, AA916133, AW089844, BE393784, BF793017, AI933992, BF033757, AI874261, AI345688, AV728276, BF970768, BF812960, AV660592, AW169604, AI095003, AL039716, AI872148, AI802240, AI950729, AI628325, AL079963, AW151136, AW023338, AI434969, AW827289, N22276, AW170773, AI866469, AW162194, AI590043, AV682011, AI678446, AI364639, AI689388, AI638644, AI698391, AW193026, AI927233, BG113385, BF343167, AI439745, AI872423, AI583578, AI434255, AI961589, AW080346, BG104819, AI873638, AW089275, AI345415, AI554516, AW051088, BE780388, AI270183, AL047675, AI589428, BF814449, AI287391, AV681682, AV756148, AI539771, AV757903, AI919593, AI281757, AI619777, AI307285, AV682728, BE910703, AW983691, AW103928, AI621341, AW262491, AI696570, AA806719, AI932794, AL037582, AL037602, BG109347, AI800341, AI538850, AI345612, AV734591, AW191844, AW161202, AW983703, AI473799, BG110684, AW169634, AI587606, AI572096, AI627893, AI439452, BG180273, BG105011, AW102794, AI884318, AW129230, AI798456, AI917963, BG030601, AW166583, BG029053, AW149236, AV682468, BF750875, AW190042, AV710299, AW021717, AW089006, AI610402, AV682446, AW008085, AI345416, AI827058, AI570966, AW983832, AW834282, AL119399, AI613038, AI802542, AI473451, BF752858, AW128834, AI690748,

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HOFNY28	1824	603911	1 - 1219	15 - 1233	
HOFOC41	1825	712462	1 - 1183	15 - 1197	AF163863, M64428, AB029898, X52381, and X56219.
HOGAA41	1826	843499	1 - 5063	15 - 5077	BG254775, BG108135, BE871441, BE878263, BF681622, AV712602, BF983746, BF002768, AW994683, AW182331, BF665947, AA005186, AW576351, AW503446, AI813654, AI807485, AI692503, AA742257, BE813351, BF439629, BF984386, BF195174, BF342967, BF196799, AW978115, AW966350, BG258408, BE220109, AA405388, AW341378, AI823577, AI625854, AW058497, AV724447, AI583188, AW005353, BF431161, AI755213, AI188768, AW575006, AW503680, AI580806, AI453644, AW408762, BF589087, AI356039, AA641935, AA811446, AI688730, AI697175, AL040692, BE220461, BF436553, AW295100, BF814794, AI373268, AI370897, BF327496, BE327684, AW613550, AW674955, BE866395, AW304847, AW297606, AI083965, AI356878, W93204, AA847420, AI806028, N42034, AI688504, AA700033, BF221950, AW408815, AI187097, W78885, BE925799, AV682225, N25088, AI864188, AW993720, AI635637, AA740826, BF132751, BF061043, AI283468, W92700, N39376, W84659, N33102, W93112, AI017286, BF439705, AW182138, BE874136, AW651628, BF983657, AI591398, BF431534, H97687, AA989043, W86740, Z45904, AI014677, Z43414, AI014862, R93006, N32890, AV692886, H21750, AA772533, R72133, AV684427, F08609, AA641887, AV694902, R15210, AI571849, AW975425, Z39487, H03541, N44924, AA952892, AW970564, AA496693, H90132, D62522, AW167503, AA927054, AI393274, AW970877, T74445, AA658014, AW975035, AA978192, AI557391, R37528, AA188769, AA700698, AA316215, AW973814,

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HOGAB51	1827	825278	1 - 1620	15 - 1634	<p>AW971146, W01596, AI700405, N71250, AA494157, AI566415, AW340011, BF530611, AW504667, BF346854, BG059682, BE138690, AI797998, BE328286, AV683406, AA557945, AA533040, AI310670, BF345114, AI801563, AI224583, BF347042, AI754257, BF681222, BF853574, BF853009, AI572680, AA669238, BE501670, AW085751, BF346320, AI275989, AI590442, AW976008, H60912, AW238341, R99532, AW593631, BF828756, BF970818, AW902110, AA720582, AW971320, AI310787, AU160445, BF958502, AW501278, W45215, AA525807, AA493808, AW008217, AI278972, AW979239, AI869797, AW169183, AA425283, AA601712, AI609984, AI349130, AV717715, AA809125, AW902135, AI962030, AA610351, AA526542, AU147226, AI815210, BF814446, AV756663, AW813106, BG122782, AA904211, AI174703, AW389929, AI826857, AA493947, AW021674, AI609974, AL079553, AI610012, AI299442, AU159614,</p>

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HOGAH40	1828	790978	1 - 1634	15 - 1648	AL513604, AL517605, BF690381, AL516679, AL513603, BE275134, BF793047, BE746349, BF969250, BF026913, BE889105, BF026768, AL517606, BG167552, BG177334, BF982246, BE535427, BF971358, AL516678, BG261410, BF308534, BG171864, BF792980, BG027024, BE778436, BE778067, BF689434, BG256673, BF966063, BF794650, BE891879, BE892897, BE409862, BF672209, BE276001, BG108550, AI341488, BE887454, BE267471, AI301928, AI138618, AA205786, BE729030, AV727375, BE260215, AW978621, BF768548, BG117304, BE392268, AV706105, BG253377, AW673162, BF973697, BF383007, AW149756, BE697668, BF185508, AV649533, W02880, AW572327, AA648779, BF061324, BG171247, BE742627, AA722999, BE697673, N72131, BE261384, AW250545, AI143313, BE697656, AW239361, AA778153, N22676, BE385313, AA205972, BE855460, BG034394, AA115208, AA975522, AA115218, N28560, AW051329, N74513, AU151328, AI816051, AA132440, AI684632, BF694000, AI066687, AW517080, BF229889, BE697651, AW651701, W04149, AI890817, AA133166, AA610778, AI188488, BE887444, AA890364, BE047470, R60597, AA306737, AA676923, BF919006, N78846, AW513551, H99875, R86167, AI027574, BF438808, BF432528, AA100544, AW087876, AW005047, BG179502, AA478387, AI051375, AW628489, AA612824, W17120, AA857185, AI742806, AI885958, BF988684, AV649473, T16880, Z40040, BE162522, BG026306, N25924, F27504, AA812550, F37048, BF673044, BE267484, AA306517, H44264, N70121, R02125, N20009, AA992967, BF594645, W00380, W61269, D79703, AA953161, H44593, AI699050, F34802, AA927132, BF513680, T16881, AA132608, N39271, AA100543, BF089003, H63903, AA879072, C04563, H22159, Z43982, D79859, AA935906, AW470177, BF247949, R02239, AA694533, R00829, H22211, BF837246,

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HOGAP06	1829	823364	1 - 1712	15 - 1726	AI963720, AI801600, AA491814, AI334443, AW833862, AL046409, AV761925, F36273, BE160516, AW193265, AI350211, AW338086, AW996768, AI281881, AI431303, BG249643, AV763354, AI613280, AI053672, AW473163, BF668217, AW504669, BF854876, BE047069, AA469451, AW965008, AV760937, BF724767, AV710066, AV728928, AL042753, AA652764, AW276827, AW438643, AV762139, AI564185, BF677892, AV757607, AV740801, AI754253, BE502107, AA829225, AW975425, AI951863, AI345654, AL044940, AI619997, AI921476, AL138455, AW974109, AA503258, BG099291, AV762098, AW472872, BF942454, AI890348, BF679274, BE350475, BG058664, AI289067, BG236735, BF475381, AI053623, AW028429, AV728425, AW193432, BE154617, AW276435, AA613345, AI358571, AW962713, AI471481, AF330238, AV739901, AA587604, AW731867, AI270117, C75026, BF940837, AI341664, AI375710, Z98473, AW975266, AW969629, AW408717, AW630298, BE872393, AW303196, AW274349, AA581903, BG109996, AV742337, AI061334, AV725423, BG222267, AI859742, BF724372, AI688846, AW500125, AW963497, AV741609, AV742309, AI370878, AV764241, AI457397, AV764307, AL037683, AA177061, AW063143, AW301350, AV760777, BF528275, AV764578, AL119295, BF241967, AA594145, AV761745, BE811408, AI358501, AW261871, AI623898, AA535661, BE042649, BE327924, BE139146, AA828704, AI754658, AW272758, AW962981, BE677379, AV658688, BE049095, AV735495, AV742057, BG059568, AV760774, BF681427, AW515425, BF965007, AA846935, AI679782, AW088202, BE154719, AW004911, AW083402, AI801591, AW511743, AI745325, AA713815, BE389111, AI683577, AW243960, BF939954, AW970848, AI469624, AU147104, AI696962, BF916567, AW969694, AI286356, AI133164, AI634384, AA507547, AV719316, AI744995, AW974932, AI358229, AI471534, AA857486, AI475569, N53150, AW950797, AA649642, AI921188, AI434695, AA488746, AI017024, AW473467, AA984708, AA623002, AW083364, AL139349, AL136223, AC007358, AC009305, AL137060,

FOI b7D b7C b7E b7F

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HOGAR36	1830	834684	1 - 1161	15 - 1175	R70454, AA515100, AI354444, AW338444, R69465, AI300543, and AI003188.
HOGAR71	1831	722242	1 - 1000	15 - 1014	AI148864, BE673121, AW080794, AI188759, AW170514, AI832265, AW001480, AW471370, AA769641, AW168034, BF516562, AA552439, AI598083, BE869511, AI587171, AI151456, BF229956, AI221080, AW243807, AA621571, AI339143, AI471439, AA627704, AA512993, AA973368, AI279608, AW952945, AA194025, AA410196, AI050852, AI262321, AA832492, BF333880, AI189417, AI344709, AI984534, AI446633, BF036486, AI300760, AA580361, AA133687, AI206376, AW450853, AI271915, AA659629, AW006431, W07258, BE613433, AI435798, BG250319, AW818139, AA976596, N29871, AI950654, AA603691, AA875879, AI244806, BF439239, AW129649, AA812251, AA888824, BE742221, BE867358, AW172714, AA133726, BE612973, BE963095, AA577501, BE512714, BE868659, AA149786, BF824752, AA297386, BG248564, BG251850, AA631290, H95187, BE740431, W79526, AW571512, AA287234, BG251275, R47933, AI301669, BE872881, AA496489, AA297379, AA427910, R69472, AA151778, AA284504, BE074801, AI684150, BG248190, AA487702, AA297153, AA297484, AW170481, AA292774, BF037659, W79558, AI963760, AA394263, AA464649, AA487488, AI347951, BE280342, AI982682, BF764771, AI346482, AA287210, BF749186, T98961, AA297527, BE617957, AA297383, AW845358, AA133595, AA297453, AA557937, AI829191, AA808606, AI275661, AA496440, AA481372, BF034695, AI673125, AW292998, AI832503, AI828290, BF801101, BE962486, AI924092, AA428283, AW273245, AA298491, AI074095, AA421514, AI749779, T98835, BE617516, AA411012, N57294, AW997921, BF854746, AA948384, AA946812, AA133686, AA411355, AA862576, AI804146, AI982855, AW578145, N79741, BF743003, AW603662, AJ011497, AX013131, AC003688, AF087825, AK026651, AP001726, AK000653, AL110159, I89947, AB047904, AL162083, AF119899, I48978, A08910, A08909, AL137656, AF113019, A08916, AF130110, Y10655, AK026649, AL133075, AL137557, AF116609, AF130099, AL133113, AL110296,

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HOGCC26	1832	834792	1 - 1813	15 - 1827	<p>BF569217, BG109987, BG112845, BF570197, BE885451, AV758361, AV761853, BE871729, BG171419, BE896022, BG180860, BF027728, BE886119, AA075627, BE298906, BG117494, BF918008, AW004066, AI400438, BE780042, AW579804, AW239537, BE785163, AW005665, AW269698, AA291317, N36793, AW362882, AA722284, N28879, N21638, AW073406, BE151217, AW380737, BE151182, AW380577, AW054850, W81121, AI276523, AI090112,</p>

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HOGCD78	1833	610217	1 - 720	15 - 734	AU117016, AK025632, and AK023677.
HOGCK03	1834	847427	1 - 1378	15 - 1392	BE729460, BE789397, BE790299, BE868100, BG248814, BF026110, BE312991, BE272945, AI810244, AI813695, BF540784, AI206046, BE328473, AI446323, AI554510, N74626, AI126012, C02064, AV736124, BF854050, AA894356, AI307551, AI288327, AV741637, W00946, BG166009, AI589973, BF914723, AI696309, BF448479, and AW468549.
HOGCL01	1835	846353	1 - 945	15 - 959	BE792885, BF797106, BE796821, BE904160, BF307395, BE732101, AW027073, BF036728, AW955136, AL038494, BF346706, AI888327, AI361046, AI953282, BF184632, AW385192, AW385191, BF698575, AW072643, AI675185, BF103610, AW005989, AI193532, AV653780, BF436081, AI688965, BE866662, AA568251, AA766104, AA843521, BE391690, AI379780, N40017, AI934841, AI479734, N27282, AA588815, AA872441, AW194363, BE792655, AA602586, AW305055, AA557627, AA854085, AA807817, BF242076, AI357691, AA593135, AI948655, W86872, AI457174, BF697037, AW082605, AA493327, W86823, AI631373, BF883676, T51002, BE535342, AA730909, AA507175, AA259062, AA844181, AI280762, AA312467, AW105578, BF241800, AL038493, AW371305, T39725, AA844410, AA249773, BF823105, AA259061, BF090961, AA323906, AI927577, AA938071, BE410688, AW610217, AW581243, BE092630,

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HOHBB36	1836	847428	1 - 2249	15 - 2263	AV691357, AV690244, AV683444, AV685737, AV687879, BF979607, BF154506, BF751391, AI751497, AV687877, W25812, BF801867, BF106211, AV648090, BF803780, AL045193, AV691051, W27336, AU122786, AA333313, AV685834, AI367808, AA332338, AV685836, BF883944, AA305326, AA545813, BF733647, AA319757, BE971341, AW964512, BF571276, AW893698, AW293922, AA307338, AW954666, BF353933, AK000160, X68199, L00923, X69987, AK022489, L29138, AJ001381, and AJ001382.
HOHBC57	1837	813392	1 - 5069	15 - 5083	BF338706, BE796519, BE795031, BF757273, AW504454, AI023714, AI392873, AW504917, BF363368, T06335, AI459697, AW004011, AA947711, BF084899, BE696996, BF906040, AW972092, AW972091, AW968355, AW972093, AW968356, AW968729, AW971740, BE501815, AW969229, W27514, Z93783, AB029016, AL022238, AF275151, AL031589, AX030435, AX030436, Y17793, AR064707, and L10353.
HOHBO66	1838	853375	1 - 1776	15 - 1790	AL514591, AL515698, U51698, BF980392, BF525362, BE545041, BG119652, BF662991, AF142580, BF529862, BF792819, BF316356, AV661861, BE275539, BE897634, BE275581, BG120250, AW753619, AW369740, BG231720, BE514934, BE314321, AA625561, W72325, BF924219, BE646294, AW190127, AI744539, AW960688, AW958482, BF096207, BE843905, AI818046, BE312780, AI148823, AI911887, AI761511, AW250827, AI339159, BF242343, BE090100, AI092249, BF326698, AA210991, AA579979, BE275606, AV716564, AW402371, AW602002, BG249561, AA805668, BG109287, BE875739, BF576896, BG249196, BF032924, AU132598, BE889104, BF672317, AV714064, AV715127, AV717621, AV714198, AV713907, AV713990, AI207612, AI133220, AL038985, AV649250, AV734219, AV647955, BE909562, AV714647, AV714027, AV715811, AV714612, BG036237, BE677625, AI444571, AU127994, AL529892, BF673104, AV757743, AV714698, AV715067, AV715230, AV715535, AV717773, AA290643, AV711261, AV756185, AA305186, AV758452, BG035774, BE904072, AV714134, AV714607, BE259652, AV651042, BF691355, BG114310, BE780254, AW068844, BE877190, AV662310,

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HOHBZ10	1839	836519	1 - 815	15 - 829	BE746079, AB007829, I76233, and AR064707.
HOHCH71	1840	823101	1 - 2560	15 - 2574	AL524045, AW961662, BG259416, AA218943, BG259837, BE894668, AW298152, AW081663, BF037248, AI679551, AV745903, AA214551, AI633149, BF542115, AI683373, AW029613, BE567808, AW369997, AW369996, BF800362, AI863853, AI743203, AI304742, AL036561, AW391951, AW391949, AW081466, AI147232, AL036494, AA814067, AL036560, AI453772, AW661939, AA884185, AA723835, AI339752, AI679991, BF215907, AW273018, AV746189, AA863060, W45596, AW571719, AW016169, AV682453, AW081983, AI281778, BG180178, AV745374, AA846604, T03763, AA994653,

					R52405, AW391986, W69880, AA349567, N29740, AA127419, AA230170, AW007860, R67672, R63551, H04652, AI039566, W69792, R56190, AA127418, H14855, H04674, R52462, AA922754, AA043594, AI686722, R55917, N57160, AV745563, BE568017, AW390658, R37707, R43974, BF089048, R52463, R52406, Z44086, AW390673, AA228306, T96281, R61731, AA317085, Z36952, T96282, AA506214, AA213537, R55831, R56079, R33113, AW971409, R33261, R18963, AA043192, AA346985, H89018, R66072, R11788, T11042, R63506, H88794, T16494, AW591355, AA398453, Z38245, W45643, AA632706, BF799916, F05218, R57287, BF037591, BF086682, AA092757, BF081355, AV686598, D82279, AW945164, AW950681, AV725561, AW956498, AW955616, AV701951, AV706722, AW962650, AW958290, AW952108, AW965827, AV705104, AV729062, AW961510, AV704674, AW958127, AW955698, AV708191, AI525757, AV724986, AV707556, AW963221, AV726887, AV704916, AV695489, AV691061, AW961329, AW958033, AW950256, AV726770, AW966146, AW964298, AW961260, AV703361, AV705771, AV707628, AV646747, AW962278, AW963220, AV704542, AV703435, AW966684, AV687342, AW964383, AV704467, AV725067, AV707064, AW950748, AW954962, AV729517, AV705343, AW954344, AW957110, AW957083, AV704547, AW954352, AW956299, AV702586, AV706133, AV702435, AV725116, AV703442, AV727804, AV702055, AW950665, AW964423, AV706854, AW951774, AC005611, AC010424, AC005611, and AC008398.
HOHEB48	1841	800629	1 - 1565	15 - 1579	AW972059, AA668777, H61078, H61648, BE086425, AF085919, L10353, and AR064707.
HONAH67	1842	821419	1 - 2188	15 - 2202	AU136659, AW605849, AI686059, AU156813, AW262898, AW206777, BE392320, BE764706, AI650424, BF222321, BE770355, BF446747, AI123810, AF009784, AA225868, AW157645, AA594852, AI074519, AI637526, BF589349, AA401554, AA974022, AI470176, AI524727, BE162326, W15333, AA400141, BF828934, N41060, AA142936, AA398619, AI610312, AA362908, R76815, AV691696, AA150626, R91479, N45540, AA888909, BE674852, BE328009, AA993836, H08231, N59820, AA971468, N45697, R95037, BF996329, R27971, T80900, BF996182, AI299284, AA807623, BF996335, T99873, R62811, R91695, BG118546, R42279, R75984, AI204371, R62860,

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HOOAC84	1843	604043	1 - 1542	15 - 1556	<p>AA363357, BE843469, AW578988, BF846366, BF823596, BE767805, BF086466, AW277105, AI240086, BE674516, AW516498, AW898162, AW898158, AA484699, AA947997, AL036896, AW956346, AA601333, AA533977, BF993627, AU139063, AA174108, AU120423, AA569565, BE161048, AA722376, AA601376, AA505754, AA535558, AV744667, AV743378, AW613599, AI254463, AA809125, AI252005, AW967404, AW967403, AI433952, AA255832, T94858, AA428270, AW963625, AW148964, AA533660, AI090377, R99253, AW006124, N76974, BF868893, AW504667, AL044758, AA533066, AW893247, AA164352, AL518994, AA885570, AI114645, BF813551, AL048651, AI889236, BG180081, W24802, BF917597, BF914905, R96319, H40521, N58334, H59429, BF914402, AL038601, BF681271, AU137345, AA493546, BG152746, AA836615,</p>

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HOPBP13	1844	825243	1 - 2171	15 - 2185	AL048060, AA595661, BF917473, AI298079, BF675251, BE968477, AC004971, AC010271, AC008896, AC005695, Z85986, AC004583, AL034420, AC011510, AC006111, AC005037, AC021016, AL050349, U89337, AC005081, AL136418, AL008718, AL137139, AL160231, AP000045, AP000113, AC010328, AC008543, AP000252, AP001711, AC009516, AF001549, AC015651, AC009228, AF243527, AC005180, AC016543, AC004867, AC007938, AL121928, Z98044, AF045555, AC007842, Z84488, AL033529, AC006285, AC005410, AC002310, U95739, AL139184, AC020904, AL162458, AC004824, AC011469, AC006970, AC003109, AL033527, AC006536, AC012627, AC019227, AC011514, AL080243, AC008068, AL035422, AC006261, AC004382, AL137818, AC011475, AL354864, AC010150, Z68162, AL136984, AP001054, AC008745, AJ277546, AL136137, AC008760, AC005913, U52111, AL031255, AC020906, AC022407, AL109613, AL158040, AC006084, AL161670, Z93241, AC002350, AC008750, AC006312, AC073316, AC004980, AC011489, AL035455, AP001727, AC008569, AL132653, AC010789, AL020997, AL109798, AC006449, AL355392, AC003043, Z99716, AC007881, AC034246, AL109797, AP001748, AC005038, AC004644, AP000346, AF196971, AC005943, AL157789, AP001717, AF196969, AC006345, AC002312, AL049745, AL357374, AC011495, AC002470, AC005519, AC005324, AC004594, AL138752, AL049868, AC018511,

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HOQBG21	1845	822863	1 - 1635	15 - 1649	BE541249, BF791139, BF978848, AL121515, W19540, BF244603, BF669107, BF694810, AW452699, AI474330, W07290, AA621274, AA634530, N95050, AA971079, BE003065, N75806, AW206683, AI251000, AW816663, AW452085, AW840157, BF752666, AW856256, BE542214, and AA830998.
HORBI80	1846	877660	1 - 2651	15 - 2665	AL526077, AL526132, AL526388, BE739902, BE796925, BE797573, BE799223, BE905198, AI741844, BE792436, BE621392, AW997405, BF967616, BE408155, BE793905, AI808417, BE733499, AW939960, BF795705, BG113312, BG259317, AW997392, BG106786, BG037015, BE619377, BF530992, BF339233, BE263709, AU117046, AL133798, AI819038, AL526429, AW997396, BE263310, BG177403, AW996491, BE206882, BE261503, AW997399, AA778353, AI819598, AA056274, AI802595, AW250952, BE281525, AW083025, AA532790, AW250357, AI091294, AI218698, AI309971, AA312148, AW438887, AI078191, AA569346, AA723198, AA861795, BE267083, AI741009, AA434227, AI074249, AI095629, AW997390, AI858452, AA430361, BE293183, AW167932, AW152602, AA001542, H99702, BG149592, N64418, W01796, AA015980, BE186009, AI924472, N63071, BF897609, BE965480, AI884550, BF382612, AA223780, AA434313, Z43096, AA707251, AW450631, BE206768, BE621910, R34766, W84843, AA634375, W84796, AA627608, R44817, AA430413, AW952185, AW844483, AI638419, BE206915, AA305386, Z39189, BF766505, T30819, AI184435, BE895930, AA376205, AA496618, AA496492, BF081471, R20000, AA296408, BE538556, T31917, AA019079, R49640, AA015979, AA594571, AA223703, AA806356, AA732294, AI621254, AW794272, AA131092, AA131144, AI282614, AI074382, AA053825, AW168305, BE927105, AI886318, BF766541, AA352438, AW879726, BF475763, T35341, AI914902, AA769430, AA371028, AA909403, AA019078, BG231265, AI805017, D20962, AW997402, AA001515, AW879756, BF763644, AI784037, AJ271216, AK025984, D89340, AB017970, AK021449, and

HORBL77	1847	852099	1 - 1244	15 - 1258	AL137670. BF972674, BE731957, BE902748, BG114735, BE387360, BG250121, BE898022, BE780581, BE870909, BF976410, BF305646, AV649584, BE540622, AA779884, AI125996, BF915384, BE539139, BE264893, BE674944, AW131592, AI567118, BE745283, BG109618, AI682002, AI679084, AW732426, BE350897, AW675174, AA703931, AW673005, AW732437, AA476962, BE778459, BF733575, H39593, AL523848, BE257886, BF915392, AI572868, N48544, AI679655, BE256264, BF130752, BE251688, BF891884, AI937023, F25059, BF001324, AA603003, BF445750, BF917621, H40024, AI880284, AI205569, BF891927, BF240771, AA806137, AI880099, AL523847, AA421362, BF222892, AI953676, AW371117, BE251571, AI671800, AA991869, AA421264, BF529993, AW452157, AW138386, BF736756, AI610581, BF934979, BE257885, Z42221, AI360605, BF935048, BF927579, AW138992, BE939419, AA343373, BE350255, AI922385, BE696654, BF891917, AC026196, AC026196, AC018809, AC018809, and AC018809.
HOSBX14	1848	597456	1 - 1013	15 - 1027	AI918886, AL513693, AF159056, AF057177, AC006033, AC006033, and AC006033.
HOSCZ41	1849	665525	1 - 1234	15 - 1248	AW978388, BF433180, AA828461, AI130782, AI367621, T16396, AA233228, AA233152, AI699322, AA648256, AW769663, AW769676, AW023438, AA776718, AW249493, AW798552, AW798852, BF812403, H06840, AW581282, BF814363, AC022793, and AC022793.
HOSEM81	1850	846354	1 - 1005	15 - 1019	AL045400, AI949202, BG030768, AV722494, AL523109, AW341034, AW503668, AI742221, AI457593, AI659711, AW294146, AW502582, BF941542, AW117453, AV682255, AA007284, AV681634, BE621594, AI831343, AA167703, AA007297, BF114766, AI453271, BF109755, AW104340, AA651952, AA953675, AI308146, N71406, N24398, AW469928, W80499, AA682614, BF590144, AI672310, AI261825, AA570326, AA167705, N23801, BE464652, BE565902, AA613076, AI609587, BF436171, BE869101, AI750413, AA454747, N23529, AV712275, AW389835, AW953449, AI638265, H09651, AA844147, H40619, AA007285, BE350815, W78699, T90291, H10170, R36176, Z45416, AW513490, AW104247, T81472, AA580375, H82081, AA829173, R97011, F08943, H82588, R01651, BF792806, AI769181, BF792947, BF339138, R36082, BE786558, N40734, AI264708, R87068, R01652, C02538, AA372850, F08045, N42381, T81680, N90445, BG150812, AA621658, AW182295, AV710166, AA648936, AI243813, AI911709, AA815157, T08500, AW881571, AW881573, AA806010, R97248, AL445435, AL117631,

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HOSEO83	1851	847083	1 - 1295	15 - 1309	AI140176, AI681532, AA953318, AI049704, AW020253, AW405199, AI367007, AI658938, AA181874, AA906108, AL079992, BG230786, AW265403, AA649873, AA307071, AA664666, BF976310, AI929239, BF973977, BE045169, AI022488, AI290891, BE044825, AW951740, AA528819, BG030036, BG109610, BE874278, BG110579, AW949762, BG150775, BG032781, AA503457, BG026640, AA229289, BF965510, AW270469, AW327622, AA876622, AW328199, AA503055, BF684239, AI797807, AA579215, AA503480, BF594871, AW328198, AI567415, AV724228, AI400619, AA503027, AA782836, BF976626, AA157035, AI022898, BG168670, BF974454, AA687214, BF793422, BG111113, BG164137, BE782073, BG034372, BF796162, AA888424, AW975641, BF969968, BG252012, T41000, AW327495, AI336022, AA579495, BG166381, AA746876, BG253217, BF796447, AA523701, BG111176, AI304880, AA521378, BF221710, BG111502, BG177385, AA661684, BF965709, AA642770, AA226614, AA654744, AA657547, AV681542, AA583850, AV740590, BF975105, AA651979, BF795735, BG110050, BG113623, AA143191, BG031936, AA650321, BE622562, BF797704, AI129528, AI924325, AI039891, AA568113, BG028107, AA514011, AI273339, AA483541, AW971948, AA876706, AA528702, AI085714, AI084424, AA146892, AI742666, AW238625, AI201879, AI061369, AI142581, BE676827, AW167601, AA483495, AA746758, AA483445, AA528691, AA528790, AA581400, AV756378, AI074422, AV711738, AA781581, AA228433, AA228434, AI146647, AI077682, AA890004, AA579288, BF971485, AA772741, AW328313, AA483758, AA985010, BE677037, AA805829, AI126740, AI052101, H51061, AA128680, BF212160, AA541680, BE535350, AW973184, AV706175, AA664549, AA865865, AI288815, AA730582, AI351263, AW674218, AA528715, AI203866, T91533, AI708287, AA575931, AA552609, AI719773, AV722211, BF594870, AA847424, AA664718, AA927148, AI272702, AA649680, AA502226, AI352448, AW511201, AA640315, AI141200, AA156088, AA483585, AI191305, AI749181, AI934465, AA846093, AV723685, AI523559, AV714670, AI685338, AW772709, AA230225, AA652927, AI609026, AA579230, AW105463, AI272850, AI185304, AW593309, AA936298, AC005019, AC005534, AL121871,

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HOSFR35	1852	845994	1 - 2241	15 - 2255	BF686215, AW580644, AW834901, AW834896, AW580639, AA194980, AI684705, AW580655, AA195070, BF105992, AW514774, AI697781, BF223883, AV649925, BG058711, AI819197, AI123245, AI340138, AV649873, AA972403, BE071784, C01500, AA506916, AU156480, R68723, AA922376, AI089830, AW778896, N51739, BE830967, R68671, BF095767, AI336787, BF875237, AL042789, BF907124, AA361103, AK023743, AK023530, AK000042, AK026333, and AL137464.
HOUAZ32	1853	600368	1 - 1645	15 - 1659	AW291187, BG033712, AL120619, AI743971, BE219254, AW603667, BE674732, AI075325, BF432861, AW956478, BE537830, BF570548, AA282984, AW603630, AW750678, AA479346, AA651858, AA283153, AI284277, AI350989, AA447376, AW603635, AA952994, R59797, BE552363, AA479455, AA379914, AA223848, AI221903, AI018782, BF743737, BF743743, H70379, Z44874, BE073325, BE073324, R20446, AA778739, F07594, Z42398, BE699455, AW015166, AW444921, BF515391, AA910991, AI376172, AI798800, AA972163, and AK026365.
HOUBC29	1854	872565	1 - 2831	15 - 2845	BE884795, AV730219, H84674, H90473, H90418, AI807053, H85052, AI475782, AW080008, AI950644, AV708972, F07580, F05819, R26623, H09443, N59669, R68715, AI688336, R17832, AV655855, AI139343, AA772575, AI540158, AA961704, AI079371, AA992899, AI677663, AV748498, BF439053, AI814443, W61023, AW517345, AA826567, AI566891, BF058318, AW575455, BF108669, AU133567, AA877769, AI573285, W60890, AI290964, AI362853, AU128647, AI342367, AA878305, AU138636, BE884623, AU118172, R35527, BF931271, R54248, BE161280, AW183735, AV713158, AA279122, AI022549, AI922961, AA653695, AA782509, AI829937, AI346311, N59680, AA994557, AA781255, AA883266, AU139525, AI248104, AA357134, AI189609, W90200, AA252322, AA252343, AA418949, AI368355, AA725304, AA495995, AA405465, BF576994, F06473, AA149772, AA758777, BF131830, BE973843, AA975190, AA452678, AA743044, AA151909, AA897185, AI393633, AA021095, BF128672, T53901, AA761072,

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HOUBG39	1855	601696	1 - 1633	15 - 1647	AA578045, AL079734, AA487569, AA578690, BE062476, BE062478, AA126635, BF868994, BE138594, AW301771, AW237905, BF526964, AI733856, AI053696, BF681619, AV647300, AA470577, AA828802, AA828781, BE266049, AV647277, AA535216, AW975378, AA167511, AV647497, BF691892, AV760915, AV647713, AA527209, F08248, AV760508, BF725844, AW979159, AI380617, AW188742, AW270619, AV647557, AA828758, AW772801, AI345695, T05118, BF928498, AV647459, AC005154, AC004106, AC002549, AL136365, AC004962, U91321, AC005736, AC005386, AL163278, AC009953, AC009032, AL162151, AC006080, AC008379, AC015971, AL137859, AL442167, Z93930, AC005138, AP001754, AL163285, AC007051, AP001719, AC007347, AL390738, AP000317, AP000051, AP000166, AP001330, AC008068, AC004912, AL096791, AC007739, AC004216, AL163267, AL390039, AC002070, AP000119, AC007386, AP001730, AC011445, AC007677, AC007277, AL079342, AL109938, AC005047, AC009123, AP001732, AC016576, AL023807, AC006013, AF311103, AL137009, AJ011930, AL163209, AC005476, AC044791, AL163853, AP001695, AP000014, AP001727, AP001601, AC007298, AC005041, AC002091, AL118505, AL117356, AC007225, AC020908, AC019060, AL049760, AC000085, AC016898, AC007098, AC006334, U95743, AL034402, AL049874, AL121977, AC020550, AP001671, AF165175, AP001067, AP000143, AL445669, AF117829, AC026694, AP000088, AC007907, AL021407, AL109865, AC083864, AP001711, AL160231, AF111168, AP000248, AP001693, AP001698, AC022816, AP001670, AC009530, AL139099, AC002288, AC011890, AL137145, AL355101, AC004021, AC007649, AP001714, AC007425, AC024164, AP001708, AL136527, AF064858, AC024239, AC002381, AL109918, AF055066, AL139353, AC004965, AC009362, AC005291, AC003695, AL160033, AC007012, AC012076, AC008072, AC007282, AP001328, AC021049, AL357153, AL049610, AL391839, AL449217, AP000140,

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HOUCD12	1856	605006	1 - 626	15 - 640	N57681, AI636734, AW089322, AI278972, AW574794, AI801591, AL042373, AI733856, AA847499, AW341978, BG000961, BF668217, AA120920, AI061313, AA297666, AL046409, BE138484, AA788592, BF939548, BE062159, BF940837, F36273, AA463590, AV691147, AI801600, AL037910, AW872676, AV701116, BE042649, AI869838, AW029038, AC007055, AC007225, AL365505, AC003029, AL138741, AP001711, AL109825, AC007193, AC005920, AC006285, AC005871, AP001718, AC005225, AL035587, AL031311, AC006449, AF243527, AL133246, AF038458, AC006026, AL137918, AC011479, AC005082, AF196779, AC007388, AL031659, AF001549, AC008569, AP001630, AL133448, AC011497, AC005015, AC006530, AC006330, AL162424, AP001748, AC009032, AC004883, AC011464, AC083871, Z95113, AC005531, AC005519, AC004990, AC007383, AL445483, AC004099, AL021154, Z93017, AC005480, AL117381, AC025442, AC010077, AC008474, AL353653, AC005522, AC005668, AC005261, AJ295844, AL499628, AC008403, AC020744, AC010412, AL133258, AC005726, AC018738, AC020916, AC005081, AC004913, AP001695, AL391114, AC020904, AL117694, AC005377, AC004089, AC011450, AL137141, AL121983, AC008736, AC000025, AC083863, AL158206, AC002369, AL117333, AC005103, AP001760, AP001725, AC008806, U85195, AL049776, AC004079, AC010643, Z99716, AL136295, AJ246003, AC074338, AC084693, AB023048, AL109976, AL023284, AC007421, AC008267, AL161781, Z82214, AP000031, AL109804, AE000658, AL050349, AC009086, AC004166, L44140, AC005000, AL121845,

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HOUDB17	1857	603417	1 - 692	15 - 706	AI755057, AA736485, AW275432, AL036750, AV759557, AC010618, AC003982, AC007327, AF165926, AL356299, AC005098, AC006483, AC004166, AC009087, AL022328, AC008569, AC004867, AL162504, AL161445, AC021876, AC009086, AC006064, AC027319, Z85986, AL137039, AL139099, AL121914, Z82190, AL160175, AC005261, AL031283, AC005669, AC007546, AL450226, Z84466, AC005047, AC007637, AC006329, AC004686, AL137073, AC004216, AC009955, AC083870, AL033529, AL163285, AL354720, AC008745, U95740, AL442167, AC009480, AC008050, AL022329, AC020552, AL138752, AC011811, AC004923, AC020629, AC005216, AC005920, AC011895, AC004518, AL132639, AC012099, AC074331, AC007707, AP001695, AC018639, AL355392, AL135901, AC004929, AF129756, AC008536,

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HOUDX40	1858	603442	1 - 1250	15 - 1264	AI475927, AI540804, AC020629, and AC020629.
HOUEF84	1859	862051	1 - 2235	15 - 2249	BF980339, AV756937, AW949719, AI693066, AW960433, AI742210, BG035771, BF218174, AA526973, AI492295, AI630858, BF223217, AA805658, AA722345, AI949640, AI709199, H97817, AA812037, AI798296, BE878571, BF431686, AI702008, AI061070, AA291069, BE542240, AA769216, AV756767, AA430990, AI886781, AA305660, AA151466, AW079292, AA322302, AA731251, AW104243, AI273962, BE935653, T29233, AA737377, AA021490, AA370537, AW195995, AI440095, AI471330, BF111798, BF571218, AA370536, BE327813, AL119276, BF218151, AW804356, AI567817, BE180006, BE180005, N57587, BE881886, AB005540, AF086067, and X66360.

HOUEJ43	1860	658713	1 - 1436	15 - 1450	AL040701, AL040702, AI139906, AI018394, AA393426, AA435694, and AK027205.
HOUGS36	1861	862052	1 - 1631	15 - 1645	Z83306.
HOUHQ36	1862	793750	1 - 965	15 - 979	AA149938, AA150524, D80022, AV720211, AW966043, AW975618, D80043, D80391, D59787, D80196, AW966059, AW973490, AV699550, AW960454, D59859, AW960553, D59467, AW964488, AV719557, AW973330, AW958993, AW973488, AV699447, AW973474, AW949656, AW978661, D80253, AW966030, AV719822, D80166, AW978634, AV718692, D59619, D80210, D80240, AV719324, D57483, D58283, C14389, AV723927, AV699866, D81030, AW959799, AW949642, AV720533, AW975621, AW959628, AW975613, D80188, D81026, AV720731, AW966032, AV718489, D80212, AW959136, AV719783, AV718931, AV720464, D80219, C14014, AV722801, AW966029, D51423, AW966053, D51799, AW973307, AW964468, AV718938, AV718633, AW975605, AW966075, AW966065, AV718707, AV720878, AW973473, D80366, AA514186, AW965196, AW959202, AW965184, AW960465, AW966050, AW973334, AW966531, AW949653, AW966534, AW964532, AA305409, AW966013, D59610, AW973541, AV701839, AW966022, AW966054, D80195, AW959570, AV718844, AV720616, AW965163, AV720151, D80164, AW966041, C14331, AW973447, D59502, AW978648, AV719468, AV718800, AW965185, AW965197, AW962395, AV718770, D59275, AV720791, AV720203, AV724520, AW964756, AV719188, D80227, AW966062, AW949654, AW949631, AV718440, AW949643, AV720028, AW949618, AW959597, AW960473, AW965177, AW949655, AW973485, AW965175, AW973482, AW958992, AW959062, AW964477, AW956434, AW949641, AW962082, AV699927, D80133, AW964737, D80024, AW949630, D59889, AW960532, AW956397, AW973445, D80251, C15076, AW959582, AW949629, AW949645, AW949657, D51060, D50995, D59927, AA305578, D80269, D80241, D80038, D80193, D51022, AW966398, AW962245, D80248, D80045, D50979, AW949646, AW975623, AW966385, AW949658, AV701004, AW959469, AW966369, AV721386, AW965158, AW949633, AW949632, AA514188, AW952839, AV718530, D80247, AW966368, AW966397, AW965176, D80522, AW360811, AW966380, D80378, AW966399, AW752082, AW753053, AW177440, AV700889, D80439, AW966023, AW966333, AW966331, AV720812, AW966378, AW966386, AV723097, T03269,

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HOUIG68	1863	793749	1 - 2938	15 - 2952	AW165998, AW296050, BF029096, BF573308, AW190853, BF541045, AA449298, BF210943, BE327538, BF057332, AI808988, AW118016, AI457479, AI374617, BG163810, AW874515, AA443647, AI983444, AW769262, BE669668, AI610622, AI005202, AW449800, AW439916, AA035250, AI342190, AA443582, AA043165, BG164654, AI792116, AI453257, AI818265, AW851142, BE883104, AA001551, AW316575, AA554379, AI142670, AW451445, BF242668, AW316559, AA086078, AI334711, AA829745, AW051471, AI039310, AA912403, AA477046, AI791452, AA476932, AU154354, AA040701, AA864721, AA525173, AI680847, AI640674, AA037629, AI864176, AI791331, M85649, AA000974, T34109, AA978308, N66224, AA037630, AA295403, AI520782, AW368197, BG169493, BE218143, AA376811, H85188, AA319574, AA429077,

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HOUIG92	1864	793764	1 - 1103	15 - 1117	BG169286, BF982486, AA403040, AW603518, AW795879, BF669565, BF664815, AI817085, BF701413, BF939099, AI962996, BF435713, Z99402, BG255862, N32779, AW362997, W02847, AW083126, N45208, AW404100, BE079706, AV717135, W93526, AI377138, AV714878, AI341134, AI015850, AI142484, AA284577, AW205205, AW778997, AA029318, AI937265, AI378338, AI553900, AI127275, AA029870, AI192217, AA034261, BE673091, AI750749, W02901, AA397746, AA010119, AI138935, AA063540, AI380419, AI089983, AA848078, AW952102, BF447168, AA010120, AI626121, AI338108, AA768222, AI627423, W57933, AI560705, AI129797, N23349, AI833162, AI811851, AA151787, AA435721, AI271933, AI954522, W86320, AI583994, AA664006, AI219904, AW380683, AI308115, AA598796, AI499959, AW148764, AW083246, AI570026, AI754006, AI752960, AA114912, BF447261, AI143983, AA813200, AI187891, AA114911, N68346, AI040747, AW072909, AA460988, AW088035, AW627696, BF222694, AA002134, H46412, AA401331, N75856, AW262644, AA908232, AW244018, W42922, AI373406, BE151047, BE774062, AI695820, BE858641, AI085193, W86193, AA026547, W35294, N71622, AI373861, AW795865, BF970382, T23698, AW024882, H43941, BE695156, R71330, H18093, AA757067, H18133, D62740, W42921, N41782, AA002089, N72910, H21961, N71660, R49431, R67328, AW134968, R86967, R66491, AA724972, Z39711, AA284833, R21610, H45361, H21766, R21508, AA317335, R28152, N28885, BE769235, R28153, W04681, AA777021, H46652, W31764, D79436, BE769232, H09259, R89156, R71331, R63091, AI964040, T16441, BE504712, AI022968, BE816527, BF350314, W32897, R40440, AA622164, D79243, AA504043, R86886, AA503946, AW006598, AI139052, AI472693, N22061, AW139001, BF081572, AI824586, H45286, BF982701, AA649663, AA026546, BF948472, AA279849, AA013486, N28821, N22589, AI080316, BE931453, W01581, N32389, AW964468, AW966389, AV702035, AW949645, AW975618, AW973445, AW966330, N46285, AV724520, AW964532, AV718489, AW960553, AV718692, C14331, D59653, AW966378, AV720150, AW949629,

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HOVAD93	1865	821333	1 - 846	15 - 860	<p>BG113385, BE789764, AI254727, AI446248, AL513907, AI978703, AI270183, AV759054, AI318280, AI560099, BG112718, AL513999, AV681848, BE785868, AW080746, AI812015, AI564719, AI252023, AL514205, BF337388, AI677796, AL514357, BG168549, BE886827, AL514983, AI818574, AW149925, AL036361, BG027679, AL038715, AI698391, BF812938, AW084425, BF089679, BF814527, AV760466, BE620084, AI802542, AI800155, AI538829, AI815855, AI926790, AW088793, BF812960, AL119863, AI619502, BG109221, BG029829, BF526020, AW026882, AI344928, AI433157, AI702073, BE048238, BF812961, AW983783, AI932794, BE621256, BG120816, AL121365, AI288285, AI919500, AW983829, AW087445, BF934149, AL079963, BG260287, AV764180, BG058150, AL037454, AV714485, AL514473, BE048131, AW162189, AI923989, BF061283, AI536685, AV647118, AI537244, AV682466, AI890833, AL513977, BF868489, BF970768, AI344933, AW827289, AV756091, AW074172, BG107995, BF792961, AL514899, AL119791, AI687362, AV682787, AL038076, AI590227,</p>

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HOVAE10	1866	604932	1 - 1072	15 - 1086	BF939996, BF591551, AI820021, BF939948, AW303980, AI422115, AA912106, AI652224, T57773, T60673, AC022034, and AC022034.
HOVAE36	1867	707399	1 - 955	15 - 969	AC025504, AC025504, AC025504, and AL139138.
HOVAE82	1868	826447	1 - 1192	15 - 1206	AC011452, AC020914, AC011452, AC011452, AC011452, AC021154, and AC021154.
HOVAJ68	1869	741098	1 - 1609	15 - 1623	BF854778, AA743445, AW851821, R96107, AA856873, AU119698, AU119446, AV759085, BE179910, AW271977, BF941204, AW468372, AA668340, AW007450, AW021951, BE062555,

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HOVAW46	1870	892162	1 - 1356	15 - 1370	AP000035, AP001713, AP000101, AP000264, AP000101, AP000101, AP000177, AP000177, AP000035, and AP000035.
HOVBB19	1871	843768	1 - 737	15 - 751	AW575605, AL038837, AL039074, AL039564, AL039109, AL039108, AL039156, AL038531, AL039659, AL039625, AL039648, AL039629, AL039678, AL037051, AL037726, AL039128, AL040992, AL036725, AL045337, AW975161, AL042909, AL039150, AL039423, AW973101, AL039538, AL039410, AL036973, AL045353, AL044407, AL044530, AL039386, AL039085, AL043441, AL039566, AV701017, AV701043, AL039924, AW972609, AL039509, AL038821, AW973200, AL036196, AV701431, AL037526, AW973190, AL037639, AL045341, AL038025, AL037615, AV701332, AL043445, AW969383, AV720034, AL043423, AL036767, AV745080, AV701248, AL036418, AV735727, AW979144, AV718023,

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HOVBD31	1872	596902	1 - 2315	15 - 2329	AR093392, and A70040. AU121259, AU134097, BF966608, AU133694, AV702930, AV706660, BE501503, AI828871, AI632478, AI341141, AU154926, AW965681, BE349191, AI693381, AU155204, BF056756, BE677386, AI360581, M78328, H15266, AI075746, BF062227, H16461, T33886, H05873, AA502521, H15267, Z43404, AV726866, T04846, AI267614, AI971581, D55804, R40400, BE069654, C14146, T07470, Z43820, AI002813, H05766, AA513928, Z38291, AW902172, BF344924, R13014, AL119399, AL119457, AL042544, AW961037, AV729439, AL042382, AV727990, AV707296, AV687535, AV709390, AV708992, AV683272, AV654896, AV685966, AV709869, AV728806, AV701620, AV703042, AV727839, AV704182, AV708075, AV705341, AV693527, AV707024, AV707767, AV702833, AV708834, AL079794, AW958647, AV645906, AV690007, AV728670, AW954031, AW877209, AV727512, AV729189, AV702117, AV702932, AV706987, AV704269, AV707727, AV706775, AV726784, AV727980, AV704934, AV726738, AW960594, AV705323, AW949931, AW960326, AV705693, AV707274, AW953967, AV729259, AV655425, AV651436, AV701580, AV726229, AW951263, AV708004, AV703263, AV701560, AV707889, AV704824, AV706185, AV729462, AV703472, AV702147, AI557426, AV656903, AV708622, AV660515, AW961463, AV655280, AV686346, AV725055, AW961388, AV726605, AV708653, AW966420, AV704696, AV683513, AV696257, AW951618, AV652027, AV708723, AV703695, AV727799, AV706744, AV648430, AV702994, AW952439, BG164558, AI525653, AW952457, AV684417, AV702430, AV705632, AW949453, AW950438, AL119511, AV659536, AI541048, AV721957, AV703222, AV651983, AW951273, AV687035, AW959910, AV698087, AV703970, AV662081, AV652443, AV650024, AV708704, AV706915, AV726951, AW949433, AW965144, AV705384, AV661704, AV689111, AV704955, AV703168, AI525669, AV728518, AL079741, AV728157, AW953787, AV706721, BG166654, AI541056, AV705280, AV708980, AV650703, AV709604, AW965502, AV660662, AV729451, AV728592, AV727776, AV696187, AV702623, AV729263, AV703372, AV659322,
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HOVBE81	1873	862054	1 - 939	15 - 953	AF058701, AF071798, AF035537, AF157476, AF179428, AF179429, AF078695, AF083464, and AB031049.
HOVBI16	1874	581097	1 - 918	15 - 932	AI190293, AI798010, AI762153, AI049985, AI956120, BG169342, AI818401, AA702499, AW473538, AI955273, AI363230, AI828885, AL526489, AI859743, AW173496, BE614179, BE906437, AI669645, BG117927, BF795138, BF690223, BF690258, AI857921, AI804605, BG257501, BE621731, BE871645, AI201138, AI683755, AI911640, AA165696, AW393001, AW393031, BG236283, BE910188, AI829063, AW173395, AW615442, BE301778, BF116214, AA479599, BE622935, BF979043, AU145734, AW771383, AW572473, BF339337, AW300822, AA596046, BF375548, AW582614, BE301466, AW027354, AA595724, AA771743, AW131236, AW373241, BE962384, BG122375, AW373240, AW385457, AW582609, AW614762, AA620729, AA636056, AV751890, AI937078, BE618545, AI568848, AW609932, AW373238, BE622618, BE867416, AI625640, AW770114, BE397951, AW369477, AA587670, BE207847, BE893771, AW577311, AW166370, AA599491, BE896326, AA165704, AU154025, AA434334, AI683882, AW373247, AA434254, AA401455, BE513667, AW577316, AI003433, AA845186, AA663435, AU149228, BF753086, BF528548, AW749661,

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HOVBS68	1875	596823	1 - 1798	15 - 1812	AW898615, AA652947, AI436356, AA525003, AW665996, AA927288, AI147117, AA923427, BF803767, BF802769, AA280367, AW834427, W69203, U63721, U91321, AC011540, AF196971, AL353807, AC011138, AC011138, AC011138, AL354718, AL354718, and AL354718.
HOVCC73	1876	610041	1 - 580	15 - 594	AL513979, AL514657, AL514085, AL513779, AL513817, AL514087, AL513907, BE966577, AL514543, AL513597, AL514691, AL514473, AL514511, BE966443, AL514793, AL514093,

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HOVCF30	1877	638142	1 - 895	15 - 909	AU154786, AL524381, N36090, AL524380, AW819736, AW386802, AU153360, AI262792, AI469908, AI625857, BF668911, AI695258, AU151229, AI360364, AW451926, BE884341, AW063658, BG027948,

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HOVCJ71	1878	846487	1 - 1449	15 - 1463	BF983919, BE218599, AW961056, AI983044, AI580153, AI991167, AI337252, AI339096, AA458509, AA730190, AA101706, AA430395, AA515880, AI685419, AW024382, AW026094, BF856686, BE856310, AW852317, AU147571, BE856703, AW377575, AU154893, AI271608, AI739564, BE326844, N20978, AW753013, AI588871, AI201896, W85910, AW675155, AW672987, T26533, AA009813, AI695716, N66679, AA262979, AW008980, AW117483, AI739268, BF477914, AI469834, BE328727, AA101707, AI159869, AI800118, AI049995, AI689764, AW139228, AI393298, AA702573, AA677590, AA582421, AA971286, R39883, AA904453, W78925, W40584, AA977918, T26532, AA973696, AA339046, AI097595, AI762231, AA454590, BE219638, AI401782, N49212, AA454591, AI291020, AI681404, BG149193, T07386, AA534707, AI669865, AI091861, N98987, AA452238, AA846818, AI418017, AW189752, BF437288, AI769982, T87353, AI363808, BF034414, AI052128, AA339471, AA151064, AI914129, R13585, AI023007, AI038705, H05824, AI084242, AI926110, AW590852, AW197297, T78860, AI424269, BE868890, AI524293, AI669931, AW873757, AA355695, D30993, AA150827, D55501, H84638, Z38902, AI547249, AI392826, Z42748, N50264, AA009812, H85180, AA868049, AW883430, BE763367, T24606, BE828385, D25895, AA335289, H06117, AL355708, AL390182, AL359597, AC068397, and AC009660.
HOVCN53	1879	604944	1 - 795	15 - 809	AA828071, BG166654, AI440260, BF725644, BG179250, AI539260, AI499478, AI240978, BG167415, AI538850, AI358271, BF724911, AI696714, AI373276, AL119457, AW151132, AI440238, BG167830, AV743129, AW148356, AI559752, BG108195, BF525423, BG122005, AA641818, AI298321, BE393784, AI927233, AI446536, BG119543, AW078818, AI432644, AI651840, AI537677, AI494201, AI961589, BF812963, AI804505, AI500659, AI815239, BE883591, AI866465, AI815232, AI686817, AI801325, AI866691, AI500523, AI887775, AI582932, AI872423, AI923989, AI590043, AI284517, AI500706, AI445237, AI491776, BF811804, AI289791, AI926593, AW151138, AI889189, AI521560, AW151974, AI500662, AI285417, AI582912, AI539800, AI284509, AW172723, AI538885,

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HOVCO53	1880	564632	1 - 1569	15 - 1583	AW862537, AW995834, BF846522, AW418542, BF846542, BE185269, R84390,

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HPASF94	1881	813610	1 - 338	15 - 352	BE350621, AI282954, AA493363, AI972538, AW593363, AA926671, AW085179, AW024309, N47964, AI961804, AI378107, AI670127, AI961268, AW118347, AI358358, AA406108, AU154925, N48170, AA781362, AA573497, R43394, AW572249, AI921126, R59556, AW518341, W42864, AW009029, AL527531, F10419, R38643, AL530637, AI911823, BG258647, AA807961, AA025090, AI926438, AI417355, AI829357, AA689390, W42919, AL080126, AL137394, AK001786, and AB014583.

HPBCG26	1882	844660	1 - 439	15 - 453	<p>AW195493, AA364290, AI658566, AI433611, AW025279, AI699020, AW168791, R39624, AI536563, BG001315, AI500061, AI818562, AI582912, AI679487, AI288285, AW081343, AL513713, AI699011, AA830406, AI446511, AW130362, AL040528, AI690813, AI401697, BG029058, AA908294, AI524179, BF814449, AL038529, BE084795, AL037582, AL037602, AV750565, BE621256, AI471429, AI620056, AW090102, AW151132, AI873638, AI802542, AW081298, AI472753, AL046385, AW129264, AL044192, AI698391, AI497733, AI679550, AI344817, AI050666, AL515321, AI345415, AV747571, AW194014, AW959800, AI972170, AI699067, AI095003, AI624693, AI802244, AI537991, BE897632, AL041150, AI932739, AI583578, BG105710, AI309306, AL042382, AW007555, AW827289, AI539071, AI950729, AI818353, AV758763, AA761323, AW198090, AW168677, BG105848, AI096771, AI570861, BE544111, BF909758, BF724894, AI955943, BG104819, AI371786, AI432969, AI688858, AI355277, AL043196, AI927233, AI863321, AI499279, F27788, AV756176, AL514951, W38553, AI963191, AW104641, BF868489, AW105429, AI689470, AW081866, AV707425, AW051059, BG254754, AI355779, AI571439, AI969641, AW083572, AI671673, BE877467, AI479292, AI918554, AI583032, AI439978, AW083484, AI521095, AI804505, AW152415, AI628284, AI689420, AW265004, AI538850, AW118475, AW082532, AW026730, AI613038, AW020397, AW020932, AW084151, BF835240, BG167830, AW008353, BE892572, BF525786, AI680377, BG114304, AL119399, AI696714, AI915295, AI345612, AL514375, BG171581, BE892503, AI365256, AV656932, AW188840, AW078650, AI560679, BE393784, AI677797, AA514684, AI832245, AI368579, AI571511, AI345416, AI866780, AI270183, AV709390, AI673363, AI446405, AV728157, AI536664, AW263709, AI580027, AI371984, AI961587, AI364639, BE910373, AI439443, AI470284, AI963846, N75779, AI300294, AV729189, AA748343, BF911517, AI950877, AL138386, BF726231, BG106858, AW409687, BE963810, AI890051, AI636619, AW089275, AI679916, AW166870, AI925404, AI955859, AI254814, AI537677, BF797305, BE872082, BF724198, AI961286, AW161202, AI244380, AW151031, AI359787, AI419440, AI436644, AV757158, AI678599, AW963242, AA743430, AW827285, AI929108, AI500714, BF344507, AI174394, AI240978, AI926794, AI565172, AI338159, AI566724, AI648567, AA761573, AI540606, AW023871, AI445131, AV692389, AI305745, AI765469, AI920835,</p>
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HPBCT11	1883	825226	1 - 982	15 - 996	AA364818, AC018774, and AC011221.
HPBDE33	1884	853660	1 - 2430	15 - 2444	AU121983, AU142011, AU140553, BF310789, BE298155, AA780275, BF308182, BF305747, BF589646, AA524472, BE814909, AI796214, AI800089, AI620874, AW119178, BF445851, AW292287, AU147700, AI493093, AI521627, BE836137, BF055031, AI376017, AA759333, AW271577, AA644380, AW139649, AA649884, AA448215, AW206907, AA912175, BF995517, BF995586, AA478455, AI493371, AW296774, AA514321, BF995565, AA995890, AV752143, Z44658, AI269124, AV752672, AI826250, AI394047, AI380014, AI800874, BF063946, AI571955, AA448357, AA865884, H95104, AA365259, BF829930, AI640852, BF965350, AV752590, Z40511, AI903543, AW840999, BF758054, BF812767, BE927556, BF887696, BE836149, AI910449, AW841040, AK022311, AL080121, and AJ010750.
HPBDE33	1885	897372	1 - 2430	15 - 2444	AU121983, AU142011, AU140553, BF310789, BE298155, AA780275, BF308182, BF305747, BF589646, AA524472, BE814909, AI796214, AI800089, AI620874, AW119178, BF445851, AW292287, AU147700, AI493093, AI521627, BE836137, BF055031, AI376017, AA759333, AW271577, AA644380, AW139649, AA649884, AA448215, AW206907, AA912175, BF995517, BF995586, AA478455, AI493371, AW296774, AA514321, BF995565, AA995890, AV752143, Z44658, AI269124, AV752672, AI826250, AI394047, AI380014, AI800874, BF063946, AI571955, AA448357, AA865884, H95104, AA365259, BF829930, AI640852, BF965350, AV752590, Z40511, AI903543, AW840999, BF758054, BF812767, BE927556, BF887696, BE836149, AI910449, AW841040, AK022311, AL080121, and AJ010750.
HPBDF31	1886	581082	1 - 881	15 - 895	BG104950, BF979942, N37009, BG104748, AW953959, BE548114, AW959989, AW204140, AI671854, AA524096, AA421079, AU152697, BE466703, BG122210, AA573277, AU151933, AI087887, AU151938, BG111085, AA708531, AI683835, AA995584, AI654003, AW511505, AI670960, BE221793, N70073, BE965042, AI918758, N33230, AW373253, AW373246, AA420999,

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HPCAG17	1887	757836	1 - 1306	15 - 1320	AI754653, AA916430, BF055850, AI890324, AW084445, AI755214, AA847499, AW068596, AI754567, BE062159, AI754105, AA284247, AA524616, BF526964, AW851816, AW500684, BF725844, AA714110, AI049709, AW026305, AI421950, BF857849, AI419337, AW237905, BE000614, AI912401, AI537995, AI130709, AI361090, AW778780, AI859438, AI536858, AV759632, AA515723, BE618336, AA456924, AI814682, AL031727, Z94721, AC007371, AC005399, AL031230, AF196779, AJ009611, AC004089, AC005015, AC009516, D88270, AC007664, AP001693, AL109797, AL132713, AC006026, AL109804, AC008569, AC019171, AD000092, AC004975, AL139396, AC008392, AC002314, AC005081, AC010643, AC007546, AC004448, AF129756, AC010618, AF038458, AC004156, AC006211, AL121886, AP000513, AC011465, AC002369, AC004025, AP000104, L44140, AL049776, AC005874, AF134471, AC011450, AC006121, AC004383, AC002350, AC007878, AC005568, AC018751, AC024952, AC008745, AF165926, AC005088, AL035695, AL161936, AC005089, AC004922, AL031311, AC020916, AL132775, AF030453, AP001725, AP000032, AL136172, AL031283, AC005324, AL034423, AC010422, AC018641, U07562, AL365445, AL390212, AL022342, AC005520, AC068799, AL132639, AC005529, AC006285, AL135839, AC007957, Z82206, AC004491, AC008403, AL035659, AC011479, AC011895, AC006236, AC006344, Z94801, AC004534, AC006538, AP001631, M63796, AC020626, AP001714, AB023048, AC004826, AC005231, AL109921, AC000353, AC004019, AP001710, AC006483, AC004771, AL139099, AL117381, AP000510, AC006277, Z97985, AC000052, AC005261, AC005300, AC006064, AC008616, AL136365,

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HPCAG17	1888	863943	1 - 1213	15 - 1227	AI890324, BE252421, AV756491, AL042753, AV760391, AA524229, AA760655, AW068596, AI613389, AW084445, AV760389, AW237905, BF902572, BE062159, AA916430, AV762633, AV759518, AA584862, AV706945, AV760560, AV760466, BF342223, AW026305, AI421950, AI419337, AI251034, BF725761, AW851816, AA524616, BF337291, AW855643, AI358333, BE139139, AU159329, AI300054, AV759149, BE155951, AW303098, AI284092, AI962030, AW969743, BE645220, AI291439, BE876592, AI537995, AI130709, AI362442, AI250552, AI251203, AI361090, AA411849, AI251284, AI814682, BE138387, AA502991, AC004824, AP000547, AC005013, AL356376, AL109984, AL023807, AC005399, AC002472, AC004491, AL031848, AL450226, AC024561, AC015971, AL137039, U89335,

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HPCAM02	1889	877661	1 - 1162	15 - 1176	BF129846, AL109956, AL109865, AC027690, AC027690, AL109956, and AL109956.
HPDDQ17	1890	598716	1 - 517	15 - 531	BF512500, BE503505, F02590, R42956, and AC022175.
HPDDQ28	1891	566793	1 - 1207	15 - 1221	AW338704, AI445773, AU140676, AI281848, BE006062, AI904077, BG251131, BE548141, AW601085, BE005106, BE006082, BE818595, BF757340, AI282993, AW390169, AI932839, BE814102, BG122596, BF568108, AW848256, BE531168, AW844364, BE818852, BE818807, AW857434, BE818859, AA570351, BE818871, BE292896, BE292911, BG121417, BG059107, W79649, AI821079, AI978795, AC007688, AF095448, AK001761, AF086391, AL133382, AC006361, Z83819, AC017100, AC005476, AC002070, AL035404, AL050335, AC004383, AL021393, AF135116, AC011529, AP001695, AL445465, AC008569, AP001715, AC007002, Z98304, AC024168, AC004520, AC008804, AC008102, AC005067, AC004587, AP000283, AC007688, AC007688, AC007215, AC007215, AC007215, AC023790, and AC023790.
HPDDT14	1892	580867	1 - 1279	15 - 1293	AI628808, AV710962, BG165530, BG026275, BE786109, BF969916, AI650268, AA126692, AW182458, AI873533, BE503485, BF965874, AI571897, AI628694, AV719120, AI122986, AV720684, AI583222, AI445609, BG168913, AV710859, AA588549, AI445064, BE549800, AA885621, AI801155, AA604737, AI926563, AI799358, AI953966, AU143826, AA843100, AV748341, AI634606, AI352088, AW611682, AW452094, BE968676, AV718729, AA918809, AA632666, BF217803, AA126584, N36882, AA913631, AI367561, BF132962, BF367428, AA130041, AU158295, AI927981, AA130060, AI926559, AV755952, AA913170, BG166282, AI766164, AW341861, BE169243, BF367404, R68874, AA128128, R70909, AW023494, AA169523, AU123956, R69272, BF198025, AA169354, AI867839, R68777, AI935728, AV749696, BF240989, AA632678, AV695139, AW969647, BF130107, BF215039, AV683025, R69158, AA501357, AA172193, BG027093, AA315217, AA345032, AA125883, BF677237, BF854008, R49162, AA502695, H56929, AA366820, BF238456, AW023912, BF438787, AA385096, R39631, AI699211, R39647, BF793664, AA669840, AI810066, AI648558, AL046205, R25397, BF940837, BF917533, N53374, AI284640, AI610159, BE834614, BF094375, AA649642, AI281881, AW886165, AW886169, AI358343, AW873225, AL046409,

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HPEAA65	1893	599378	1 - 894	15 - 908	N69586, AC010827, AC010827, and AC010827.
HPEAG24	1894	637097	1 - 532	15 - 546	AA779434, BF732636, BE252813, AI379402, AI417155, BE841057, BG029564, BF131835, BF541157, AA074093, AI708722, AI499262, BG030102, AA534764, AI862359, BF212198, AA533468, BE841090, AI224376, AW009616, AA460651, AW085039, BE543270, AA687934, AA662578, AW801956, BE883808, H00743, AA694530, BF541640, AW801797, AA282821, BE788625, R87490, AI688264, BE880496, N46476, AA285043, BE962586, AA345041, BE874166, AA847497, AW369064, AA847018, N85887, R13686, BE162507, BF981416, AV743905, AI133612, AA158258, BG108540, N41927, AW801972, BG113557, BF035690, C00908, AW887942, BG164385, N84388, BE383466, AI298604, AI064843, BE895678, AL356379, and AL157360.
HPEBA84	1895	753957	1 - 1146	15 - 1160	AV702197, AW964983, AI283912, AV688589, AA679863, R77836, AA112690, AI686145, AA342049, AA658167, AA112689, AA640275, AA342050, BF876992, AL161799, AL161799, AL357372, AL357372, and AL357372.
HPEBF91	1896	638144	1 - 294	15 - 308	BF940664, AB042297, AC010815, and AC010815.
HPEBI09	1897	605010	1 - 222	15 - 236	
HPFCJ75	1898	774564	1 - 2010	15 - 2024	BG150001, AI693369, AW961348, AI458003, AI911750, BE550821, AW664862, AI689747, BE671673, AW665585, BE348717, BE046142, BE550955, AI288681, AW450691, AI193122, N94863, AI123738, AI803598, BE463566, AI298919, AI184636, AI863736, AI027464, AI122838, AI651440, AI004698, AI269294, AA719885, AA854283, H28090, AI018282, BE674635, BF478013, AI697900, BE328797, BE328343, AI307699, AV693318, H06649, AI702140, AI433908, AA315271, BF082051, H26085, AA125921, AI203784, AI143503, AA972147, Z20075, BF377928, BF243436, AP001696, AP001596, A74409, AP001596, AC022052, and AC011860.
HPFCP75	1899	581083	1 - 1331	15 - 1345	AA601240, AA630097, AW168900, BF352934, AW819125, AI306232,

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HPFDI47	1902	638164	1 - 472	15 - 486	AC026011, and AC026011.
HPIAF35	1903	747704	1 - 2387	15 - 2401	
HPIAK27	1904	852658	1 - 2956	15 - 2970	AL536134, AV709915, AL134782, BF793638, BF980504, BE786045, AA398955, AL042524, BE384154, BF980426, BG029660, BE884729, AL536133, BF206170, AV694882, AI800818, AV684125, AV686388, AA631232, BE082547, AA151542, AV709231, AV697061, BF027614, BE961044, BF431354, AW272673, AA902459, BF699135, AI954018, AW958126, AI127846, BE622998, AA399675, AI493449, AI953333, N51003, BE179782, AI634905, BE966880, AA742982, AW008418, AW088548, AW591641, AI801677, AA742670, AI016613, AI762807, BF029372, AA594446, AA992197, AI206233, AI769595, AW206574, AI445633, AI191373, BF831968, AW402861, AA506700, AI082509, AV648269, AI222945, AA127488, AL048101, AI991428, AA779343, AA400184, BE670254, AI581406, W17304, BG011355, AA515405,

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HPIAL55	1905	847429	1 - 2170	15 - 2184	BE742808, BF663297, BE260854, BE883912, BF037401, BE882975, BG254584, BE465466, BF330678, AI805055, AW518152, BF525725, BE302909, AA524690, BE870176, AI685113, AI056075, BF003128, AW009442, AA995071, AI763429, AI522323, AW778969, AI916446, W63778, AI858102, AI393294, AI970808, AI128302, AW084491, BF222965, AW205268, AI928159, AI347937, AA442462, AI491774, AI356079, AI075142, AA449622, AA262393, AI685842, AA134531, N68412, AI221021, BF736731, N70519, R73544, AA280708, AI278882, AA134532, AA837139, AI383507, AA676561, T86721, AA057163, AA618578, W05418, AI972938, AA401288, AI688282, BE080707, AW517770, N67686, AA436653, T90389, AA504397, AA243607, R69278, AW968855, AA056954, BE909613, R69559, T86756, R22148, AI457155, F34395, BE699480, R72912, R69164, W94177, AA382721, T86579, AW843829, BE302901, AA476358, AA491105, AA476310, AI825431, AA741395, AW901271, BE932282, W03495, AA490922, AW968850, AI572014, R22147, N84252, AA513147, AA917379, N91207, BE831871, AI919315, BF751693, AA382668, AI473437, T83137, AI828918, AC068946, and AC068946.
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HPIAZ52	1907	801924	1 - 2590	15 - 2604	AL043009, AI811687, AA565733, AV762783, AA577906, AW021583, AL045053, AV763540, AL037683, BG249643, AW965008, AI284640, AI192631, AF330238, AI963720, AI431303, BF677892, AA720702, AV762098, AV760777, AV728425, AA601371, AW131249, AI216054, AV725423, AW193265, AW276435, AV710066, BE544795, AI744995, AI754658, AL138455, AI613280, AI267818, BF816093, AW502975, AI270117, AA491814, AV762395, AV762571, AA836811, AV733830, AI350211, AV760937, BG178002, BF337291, F36273, AI076616, AW004911, AV763354, AW500125, AU147104, AI085719, AW974109, BF806176, AP001712, AP001688, AC005046, AC005874, AF134471, AF003626, AP001670, AC004945, AL035420, AL022316, AL132855, AL109925, AC020663, AL035089, AP001705, AL163203, AL163279, AL023575, AL133387, AC004263, AC016568, AP001694, AP001729, AC026188, AP001728, AC023134, AF111167, AL008719, AL096701, AL137061, AC004253, AP001717, AC009298, AC004655, AC007114, AF243527, AC009154, AP002533, AL024498, AC007358, AC005098, AC002347, AL133480, AC002365, AF196970, AC004963, AL121578, AL121753, AC005486, AC008085, AL354696, AC007221, AC004887, AC002546, AP000031, AC025593, AC027319, AF207550, U91322, AP000155, AL117377, AC009477, AC010422, Z84487, AC004584, AF015262, AL033525, AC004491, AP001732, AP000501, AL049759, AC011490, AC007308, AC005682, AL034372, AP000088, AC006449, AL121655, AJ229043, AL137039, AP000228, U91326, AC005988, AP000124, AP000044, AP000112, AL133264, AP001727, AL034451, AL049712, AL163209, AL445483, AL031311, AC006111, AC004166, AC003109, AL353807, AC005052, AC005231, AL034405, Z93017, AL450226, AE000658, AP000140, AL158830, AL121653, AC016397, U91328, AL162430,

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HPIBA07	1908	886191	1 - 3019	15 - 3033	AV700605, AV699663, BF691851, D44628, AV692694, AV688714, AV724086, AV699327, BF698306, AW961781, BE674691, AW965347, AL118939, BF211482, BF666434, AV683132, AV699969, AV687132, AV688196, AV689315, BE972464, AV688198, AW182484, AV687097, BF381761, BF196741, BE972260, AW268471, AI767708, N31790, BE972713, AW630050, BE221857, AI480153, AI250807, AW514567, AI802951, BF223472, AI634170, AW152677, AA643363, AA176141, BF107062, AW071144, AI798210, AA676618, AI554938, AW022275, AA482018, AV693791, AI056935, AI431302, AA128954, AW613817, AA176240, BF997281, AI654205, W88857, AI690513, W88538, AA227993, AA913070, AA128953, AV685261, AA281597, AV685241, M78982, AA227819, H16853, AA347865, AV698469, AA281606, AV697935, AV684466, BF820961, AV696293, AV685243, AV683332,

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HPIBA24	1909	840379	1 - 1989	15 - 2003	BE904252, AA310637, AA375704, AW753021, AW852237, AJ009611, AC006130, AC008543, AB021644, AC011559, AC011451, AC010422, AB033024, AC006130, and AJ009611.
HPIBI40	1910	588944	1 - 1403	15 - 1417	AL528376, BF339477, AW170221, AW851090, AW575031, BG181111, AU152135, AW235646, AA599145, AI025335, AA076428, AW057979, AI937662, AI290602, AI680594, AI810264, BF475791, AA416982, AA252056, R38913, Z41148, BF034184, BE168448, AA251899, R01885, T90448, C21581, AA812446, T82954, AW851089, AV703343, AI684285, R01884, BE958362, BE937983, AW401837, AU132193, F08074, T80490, U54996, AF003951, AC036188, AP002436, AP002436, AP002436, AC068190, AC068190, and AC068190.
HPIBT19	1911	843567	1 - 1132	15 - 1146	AC015765, and AC015765.
HPJAA82	1912	835506	1 - 1451	15 - 1465	
HPJAB75	1913	841653	1 - 1803	15 - 1817	AL523803, BF796239, AL527697, AV727699, AA577763, AV705419, AA400644, BE083046, AW843452, AA740152, BE049543, AL037129, BE264462, AI760380, AA160713, AI814562, BG025100, AA633422, AW880942, BF207181, BE083045, AW880943, BE047103, AI829095, AW248582, AI830606, BE219723, BG057664, BG025250, BF939721, AW410028, BF340632, AW273309, AW901291, BE676520, AI951746, AI479090, AA715294, AI564707, AI762794, AI079211, AA426103, AW880944, AI831826, AA069839, AI446523, AI436417, AL041488, AI031714, AI580739, AI927726, BE515186, AI803385, AA609811, AA721567, AI741024, AI625558, AI627469, AI499665, AI979218, AI718353, BF448522, AI356504, AI568377, AI805112, BF435554, AA808909, AI371162, AW131446, AW020139, BE168258, AI559675, BF830473, AI608666, AA461161, BE562112, AW504640, AW966604, AW562332, AA393126, AW117835, AU147446,

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HPJAN76	1914	826185	1 - 1939	15 - 1953	AI936826, BE385990, BE271770, AW149665, AW590950, AI990500, BF432379, BF126050, BF439382, BE746601, BE395797, BF125134, AI884686, BE395581, BE736301, AI742092, BE858216, BF345141, AW150789, BF939693, BE395206, BF594242, BE392412, AI859538, BE350014, BE378674, AI018769, AW338938, BF726459, AI336858, AW954549, AW075598, AW148557, AV747689, AI423162, AI363261, AI150931, BE336607, AI459805, BF347279, AI765236, AI391683, AW191974, AI202043, BE730800, BE731003, AA173383, AA626797, AV725028, AW087372, AW075549, AI937602, AA084249, AA419229, AI566797, AA613995, AA419214, H17965, BF727329, AI499630, AI272281, R11723, AA084248, BF054837, BF054680, AI263480, AA075710, AA075743, BG057775, AI869176, AW128849, AA834860, AA970361, AA780222, AA574173, BF935708, R17696, H06756, AA775244, AA827444, AI969011, AA706146, AA665640, AA349894, AW771806, BE386060, R14544, BF726644, AA173739, AI480207, AA496806, H06707, BF508715, AA082074, AW768971, R20352, R43737, H17189, AV727120, R41205, BF219218, BF125664, BF125425, AA776783, AI141302, AI421975, AA582576, AI582720, AI767459, AV717094, AI140655, AI054234, BE041936, AI299246, AI138793, AW014802, BE899287, BF477409, BF432690, AA349893, AI817194, AA102212, BE827461, AA620332, BE858655, AA960903, AA994321, AI266676, AB041649, and AF034633.
HPJAN76	1915	854893	1 - 1942	15 - 1956	AI936826, BE385990, BE271770, AW149665, AW590950, AI990500, BF432379, BF126050, BF439382, BE746601, BE395797, BF125134, AI884686, BE395581, BE736301, AI742092, BE858216, BF345141, AW150789, BF939693, BE395206, BF594242, BE392412, AI859538, BE350014, AI018769, BE378674, AW338938, BF726459, AI336858, AW954549, AW075598, AW148557, AV747689, AI423162, AI363261, AI150931, BE336607,

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HPJAU94	1916	826719	1 - 4147	15 - 4161	<p>BE797641, BF111335, AA553442, AU120741, AU120778, BE899133, AI133602, AV750915, AW936422, BF677647, AA570376, BF982391, BF793477, AI686420, AA446138, T03280, BF733347, AV701925, AI132952, AA864429, BF126263, AV749911, BE250577, AI564481, AI791133, AW818168, AA577726, AA714539, BF951636, AU148272, BE160554, AA604116, AA258356, AU146752, AV706319, AA281350, AI084217, AU139161, AI795961, AA663524, AW818146, AA316763, AA280232, AU154351, AA715198, AW176108, AA668376, R86179, N23850, AA281143, AW845697, AW818166, AA613166, AA584519, C75547, AA679355, AA780636, AA577842, AA780853, AW895721, AA464942, AA587949, AW818170, AA669373, C75558, BE894100, AL043065, BF217767, AW087334, AW023095, AW864677, AW265555, AA481772, AA680217, AL044308, BG009414, BF811794, C75519, AI804081, AU147985, AA169223, BF992082, C75505, AW864686, AA179173, AA587531, C75473, AA669383, AA136900, AA489776, AW593396, C75631, BF954674, AA148849, N41805, AL119962, AA910874, AA213637, AI444588, AA586652, AI400405, AW939910, AA493199, AW845701, AA169348, AA084198, AA161346, T63143, AA171526, BE783575, AA258511, AA167533, AA593439, H24131, AA457552, AA669164, BF878613, BF878615, AA133981, AA218845, AA481764, T85550, AA485972, AI401729, AI804210, T70997, AW473201, AV730261,</p>

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HPJAW78	1917	812766	1 - 1197	15 - 1211	AV730796, AA570230, BE179550, AI282531, BE062121, AA683238, AW813740, BE271287, AA744018, BE244533, AA757775, BF083210, AV760190, AA715805, AI065038, AV724586, AA493621, U91325, AC009134, AL354773, AP001691, AC009245, AL049176, AF053356, AC010180, AL162742, AC003100, AC008822, AC005482, Z93023, AF196972, AC009079, AC011093, AL133163, AL080314, AC012309, Z97055, AC006511, AC002070, AL035494, AC009228, AC011442, AC008753, AC005765, AC003964, AC009179, AC002558, AC009600, U52111, AL353804, AL020997, AC007869, AL356414, AC005220, AP001685, AP000345, AF055066, AP001696, AF128525, AL008723, AP001667, U91325, U91325, AC012628, and AC012628.
HPJBS16	1918	608307	1 - 1689	15 - 1703	AW238655, AW238712, AI310670, AI114557, AL041375, AW151541, AW962006, AA601674, BE273825, AI310787, AI904840, AA410788, AA579398, AW514844, AI349130, AV707794, AU147162, AA526542, AV732057, AW979239, AI733856, BE076514, AI473671, BG110480, AV706891, AA420801, AV760508, BE138594, AU157209, AW974363, BE063437, AA019973, BE140949, AV761486, BE245594, AV762541, AV730440, AA013168, AA420723, AI355246, BF530611, AW177869, AV760560, AU147226, AU144608, BE076513, AI797998, AW023111, AA814503, AA669238, AW410409, AI923052, AW890425, AV763026, AV763058, AI962030, AW970987, BF804385, AW976008, AI791659, AI755202, AI075753, BE141085, AL035977, AI066646, AI452836, AI871966, AA449997, BF525663, AI792464, AW966064, AU117145, AW237905, BF589824, AW963397, AA502991, AV734859, AW263749, AW327852,

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HPJBU04	1919	798101	1 - 3107	15 - 3121	AA668443, BE783394, AA601278, AV762975, AL079869, BG058664, AI815583, AI816537, AW172908, AU148047, BE222564, BE207261, AU158859, AV731938, BG028665, AA577719, BG163541, BF527620, AU130725, AL527073, AL043095, AV734401, BG032943, AW957502, BE888245, AW953071, AA613257, BE140949, AA019793, AW974363, AW177869, AA454870, AI797998, BE501670, BE740358, AA613164, AW963463, AI889995, AL043745, AW833047, AW962006, BF919090, BF736198, AW275432, AL134216, BE062545, BE140955, AI521525, AV714931, BF725178, AA610381, AV732057, AL041375, BG222450, AW813106, AV764444, AI049845, AW850149, AA493808, AI355246, AW023111, AI114657, BE063437, AW575000, AW961605, AA846923, AL041706, AU117145, AI473671, AV695953, AI053673, H59651, AI926102, AI973173, BF854170, AV730440, AU144608, AI800426, AW963117, AI132963, BE677244, BE138520, AI914748, AI816058, BE062478, AI280535, AV754716, AI921706, AA809125, AI452836, AI254267, AW089950, AL036896, AW243808, BF877890, AL044701, AA487569, AW021917, BE080768, BE281645, AI620992, BE077105, AI590442, AV763892, BE062476, AA706495, AW516255, AA633892, AI612142, BF805088, AW408767, AW975679, AI049643, AI821044, AI904840, AI653783, AW151247, AI620354, AW238712, AU147922, AI281622, AA814503, AU159566, AI075753, AW020150, AI828721, BF846619, N67313, BF930145, AV759632, AW023975, AA535494, AA323343, AW975169, AC025264, U78027, AL035422, AC005488, AC020754, AC020552, AC007685,

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HPJCN83	1920	743232	1 - 1487	15 - 1501	AL359458, and AC024925.
HPJCP75	1921	886192	1 - 2189	15 - 2203	AI207476, AV710957, AA583390, AA226173, AA226172, Z98751, AL034549, AL136223, AL109797, AC011445, AL136131, AC020906, AL033529, AC003982, AC011742, AF067844, AC002300, AC005632, AC004383, AL109758, AL118520, AL138878, AC002126, AC004841, AC004089, AC002312, AC003950, AL133448, AL022323, AC018738, AC005231, AC003043, AC006330, AL365505, AC005015, AC004890, AC016395, AL133245, AC004965, AJ277546, AL139353, AC005089, AC008403, AC004966, AC002991, AL121586, AL022165, AL121897, AC003665, AC005409, AC005529, AC008040, AL133387, AC008474, AC006449, AC004953, AC009314, AL138752, AF196779, AC006329, AL050335, AL031680, AC005666, AC010605, AC004019, AC008569, AC011489, AC010618, AE000658, AC004824, AC023510, AL031681, AC003101, AL034423, AC010271, AC005516, AL033527, AC020908, AC004448, AC008738, AL049776, AC011450, Z97832, AC005755, AC004223, AC011811, U85195, AC008372, AL139390, AL022476, AC011495, AL080243, AC005914, AL138756, AC004858, AC002073, AC020913, AF254822, AC004847, AC020917, AL034417, AL031311, AC005527, AC005004, AC004477, AL356801, AL035400, AC009086, AL162414, AC021016, AP001712, AC007160, AC007226, AC002395, AC004686, U80017, AL133153, AC004217, AC010458, AC010205, AC010489, AC009194, AC004921, AC027319, AF031078, AC003070, AC010422, AC008616, AC013429, AC004685, AC023490, AC006277, AC007676, AC018751, AC002357, AF134726, AF030876, AL034405, AC018633, AC005052, AC004526, AL096764, AL031672, AC006480, AL050307, AC002425, AL009183, AL096840, AC008745, AC005899, AC010412, AF243527, AC005332, AL135978, AC006275,

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HPJCV35	1922	827317	1 - 2957	15 - 2971	AW162515, AL046205, BF668217, AW303196, AW301350, AV761362, AI708009, AI334443, AW274349, AW500125, BF677892, AW268973, AI076616, AA581903, BG249643, AV763540, AW088846, AI305766, AL138455, AL037683, AV734666, AV760777, BE439761, AI696962, AI284640, BG059450, AV763354, AW518220, AA720702, BG222267, AV763971, AV761489, AW662543, AV760937, AL046409, AV735370, AW833862, AV762139, AV762395, AW301554, AV764241, AL138265, AI963720, BG036665, AV762098, AV757607, AV739901, BE047069, AI064952, AW513362, BF761328, AV762111, AW303176, AI133164, AV763255, AI799642, AI805547, AI431303, AV759274, AI821494, AV761786, AV710066, AV762064, AI144101, AA984708, AV762154, AF074677, BF827410, AW872575, AI281881, AA669840, AI270559, AV763670, AU147104, AI345418, AA631507, AI885572, AW974932, AW965008, AW504224, AW193265, AW439558, AA521323, AL120343, F36273, AV761106, BF681576, AI270117, AV763847, AW970571, AW338086, AV762397, AV760057, AI805363, AW956640, AW269488, AW131249, AI434695, AF246229, AI358229, AI345157, AV761843, AW276435, AI344812, AW062724, AI783494, AA521399, AA491814, AA101689, AW872676, AW473163, AA503258, AF128625, D83989, AF077058, U02531, AB032950, X75335, U02532, U57008, X74558, X54177, Z22650, AC004477, AC005486, AC083863, AF015151, AL163218, U18395, AL049840, U57009, AF015156, X54180, U18391, U18394, X76070, AC006004, AL022238, U12580, AC002314, AC005020, X54181, AC083871, X54175, X54178, X55925, X55926, U57007, AP000455, AC008764, AC004983, AF015167, AL050318, U11309, AC008543, AC002470, AC011484, Z85986, AF010238, U18387, U18393, AC005899, AF085913, AL109965, AC005940, U18396, X55931, U80017, AP001670, U12582, AC000026, AC005808, U67831, AL158830, AP000065, AF282903, U16300, AC004840, X53550, AC078843, AL109743, AC027689, AC007277, AL035659, AL022323, Z99716, U18398, U67829, AL136452, AL133245, AL121928, AB023052, AL136311, A39972, X55924, U57004, AL035668, AC010422, AC000118, S83170, AC005209, AF015166, AL117330, AC007242, AC008753, AF015160, Z69666, AC008747, AL109654, X55922,

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HPLAW13	1924	840839	1 - 1578	15 - 1592	BE865462, BF035548, BE677094, AA876372, AV646619, BE542800, AI052110, BE619107, AA716156, BE018784, AV656293, AA776479, AW962759, AV654018, AA845609, BF107593, BE545585, AI033890, AV661164, AI148923, AW962575, BE301392, W39159, W56680, AW193995, AA772114, AI554854, BE619629, BF446368, BE208283, AW304810, AI339730, AI034261, AA771995, AA890052, AI189695, AI193086, BF340991, BE302347, AI034152, AI167864, AI160069, AA442656, AA456311, AI275549, AI288903, AA708944, AA456301, N52278, AV719622, AI051346, AA699705, N70797, F19200, W44744, N48730, N56864, N90237, AI167788, BF439693, W37246, AI051929, W33181, W37547, AA442728, AA456698,

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HPMAI31	1925	559369	1 - 256	15 - 270	AW957083, BE746125, AI991092, AA693763, BE670374, AI689894, AA989208, AA057186, BE220003, AI802724, AI802743, T35140, T35135, AA369394, AA976627, AA503237, H68885, T35134, AI200143, N29541, AI222900, AI492135, AI306416, BE219424, AI281966, AA968817, AI298392, AI253677, AI669214, AA976558, BE467215, AA502313, R24092, AI991120, AW084562, AA113149, AA056958, AA577052, BF026341, BE797385, D20894, BE218673, BE736269, AA876081, BF026678, AI611274, AF019953, AF035444, AC005950, AC001228, AF001294, E12648, AC001228, AC005950, and AC013791.
HPMBI91	1926	638147	1 - 1031	15 - 1045	W58469, W58344, AW368394, AI184653, AI381477, and BG109442.
HPMBT05	1927	658715	1 - 824	15 - 838	BF511757, AI334099, AW984470, AI927861, AI872415, R91915, BF988073, AI745497, AA581433, AW242735, AI761656, AU145663, BE046414, AW073349, H64113, AA773359, AI735074, H90881, BF436023, BG250338, AW190486, AI627862, AW089864, AI452403, AA244041, AI696653, AA631430, AW589529, AI184319, BG259455, AI473716, AW130042, AI733321, AI375534, AI733452, AA553475, AI524521, AW673053, AA216393, AU157231, AA857009, AW235478, AI791660, AI433574, AA629907, AW236519, AA100312, AW900454, W95669, AA577888, BF878846, AI620013, N24849, AA112911, AI536702, AA244012, BF888049, R80440, AI560839, AA953572, BF875698, AL119355, BG260601, W27498, AC004103, AL136981, AL139008, AL050401, AC005881, AP001759, AF029308, AP001677, AL049792, AC007276, AL160211, AL133239, AP001472, Z93015, AL031655, AF274857, AC018492, AC011504, AL355492, AC004025, AC004106, AK024841, AC006058, AL161938, AC004977, AC008127, AC005703, AC024158, AC005015, AC007611, AC004522, AC022509, AC002527, AC009289, AL109800, AC003081, AC004051, Z83826,

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HPMBW95	1928	639092	1 - 1353	15 - 1367	AW958954, AA758861, AW135567, AI613497, AI935969, AA613010, AA972596, AI261298, AL044181, AI697364, N66954, BF735156, BF735061, AI758195, R19233, AI187866, AI473098, BF948434, AI675571, AI799983, AI471298, AI345633, AW614571, R44496, BF735140, AI262082, AI187869, AI768407, AA248750, AW474245, AA096003, R39170, AA384807, F10355, AA249424, AC004601, AR028772, AC004601, AC004601, AC004601, AC026639, AC026639, and AC026639.
HPMCW10	1929	702013	1 - 901	15 - 915	AI827230, AA152023, N48299, AI346417,

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HPMCZ18	1930	753435	1 - 2495	15 - 2509	AV697370, AU122652, BE745305, AU137178, AV690703, BG122185, BG120359, BE542523, BG122195, BE272158, W58710, AV698204, BF431866, BE699164, BF507428, AA486436, AU148227, AI768137, AI674065, AW274505, AU153685, AA031343, AW070470, AU148182, AA131923, AI379851, AV690367, AI206831, AA147751, AA147517, BE677208, AW466969, AU156731, AA970929, AW663362, BF945020, T79243, T84523, AW173219, AI285317, AI285318, H30605, BF998624, AI285319, T86951, AI688061, AI273248, AI924432, BF111406, H44741, AI244682, AW970717, AA808466, AV685274, BF919504, AI188887, BE772052, AV686522, H02976, AV688440, AA527280, H27003, AV694890, BF994149, AV694889, AV697074, R24012, AV696201, AW057933, R61647, BF351473, AW408541, AI986086, BF989306, R30911, BF989356, R62851, Z46172, BE771019, BF996031, BF085360, AI807037, AW299838, H05974, AW375658, R60980, AW375673, AW375662, AA131922, AW352089, AW352090, AW370149, BF992529, AI761941, R27895, AW387718, AW375675, BF954929, AW375654, AW375668, R27916, AW375665, F05052, AA916353, R24664, AW370145, BF508119, AW024215, R27803, R30865, W32621, BE090800, R20881, BF439587, AU122709, AI805167, BF352182, BF352266, AI766415, AI925940, BG010235, BE176703, AI313418, R25166, AW370164, T52090, AA744567,

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HPMDA80	1931	651354	1 - 907	15 - 921	BE872631, AW245631, AW953813, BE273688, AA195139, AI056337, BE795166, AI494538, BE676067, BE858379, R37662, AW996647, BE264242, AA946712, AA563941, BF195186, AA195288, BE336908, H25825, AA826333, T03732, AA480685, F26367, BF802886, BE939208, AI833314, H23231, AI566930, AA962629, AI659737, H63283, AW245889, BE351010, AA364405, AI886960, AV683897, AW887436, AA587546, BF925402, BG056976, T23741, BE814372, AA627562, AI871873, AI589407, AW768872, N63583, BE348954, N56991, AW841218, AA196654, AW934839, AI633213, BF032010, AI867532, AI659036, AI676007, N47375, AI978802, BE939296, N94891, BF002442, F18188, AA587570, AW663296, BF037600, BF734299, AI858496, AW873657, AA196535, AI811874, AA465211, BE938346, Z41159, AA969445, AA627390, BE928622, BF514526, BF760372, AW058325, BE075879, Z63603, AC048338, and AC048338.
HPMDD27	1932	830748	1 - 1709	15 - 1723	AU117518, AL530022, AU117962, BE747075, AU134825, BF683999, BE746436, BF000235, AU126073, AL523966, AI621215, BG116482, AU139709, BG114753, BE612958, AU137383, BE742555, BF034198, BE697596, AU130396, AW957937, BE545203, AW813051, BE697644, AL536336, AV691847, BE697638, AI950251, AI564193, BE505024, AA308190, AW271945, BF375062, BF907621, BF907553, AI561182, BF907535, BE697633, BE707571, AI560075, AU150350, BF907622, BE697643, BF381320, AI581089, AU151943, AL135260, AW338106, AA505767, AA603342, BG251258, BE697786, BF907545, BE539679, AA888065, BF907552, AI625041, AI909320, BE178682, BF335705, BF907547, BG259991, BF907537, AI357213, AU151554, BF381312, BF096000, AW793648, BE178045, BF381062, BF753598, BE177876, BF888089, BF096003, BF827921, BE931932, BE746411, BE931945, AI911938, BF888124, AA962704, BE698779, H29506, BF095205, BF155461, BE769239, AA353956, BF850138, BE154200, AW630831, AI928495, BE933937, BF827920, AV689379, AV692744, AA211037, AA581961, BE769243, AW957741, AV693249, BF570808, BE769228, AV694821, AI750915, BF094204, AV696813, BF381330, AA516054, AI750267, BE932470, AA249644, AA211203, BE769236, BE004505, BF381305, BE173112, BF746406, BE172276,

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HPMDF45	1933	638148	1 - 2296	15 - 2310	<p>N55493, N76980, AA833875, AA833896, AA773463, AW897556, BF805088, AA425924, AU120416, AW272815, AA828637, BF854308, AV764383, AA570740, AI669421, AW004884, AA683069, AU147162, BF725844, BG222564, BG222326, AI457313, AA410788, AW338179, AL524675, AW864122, BE880415, BE315483, AI249688, AI697235, AI792092, AI821056, AI821805, BE813434, AA533054, AI358712, AA862227, AL040374, AA019973, AW966643, AW945725, AA484892, AW069227, AW275432, AI628859, AA584765, BG250286, AV718585, AV700958, AW847344, AA579179, AA832145, AI634187, AI927275, AA535216, AI791659, T52772, AA626040, AI141130, AW575729, AI187148, AW301736, BE151208, AI038304, AA985199, BF941382, AA215470, AA441810, AA315361, AA228778, AV728856, AI609972, AW500684, AV699675, AA643784, AI431513, BG059139, AA664126, BF841981, AA102737, AW674631, AI280266, AW469846, AI755214, AI754567, AI366180, AI915081, F11718, BF853273, AI356440, AA013168, AW439703, BF841045, AL120282, BF528591, AI753904, T47138, H29914, AA715983, AA715962, AA568204, AI620992, AI936229, AW008184, AW023111, AW502949, AU144540, BE501670, AW974363, AI754105, AL117379, AF196779, AC022148, AC018758, AC005726, AL133163, AL359846, AC006141, U91326, AC005007, AF067844, AL121825, AC006441, AL133245, AL135744, AC002301, AC004222, AC011554, AF053356, AC002316, AC005409, AL135901, AC024563, AL163210, AC007216, AC011895, AF134726, AP001752, AC011464, AL109804, AL353748, AL122015, Z93244, AC002429, AP001717, AC004846, AP000503, AF109907, AC005239, AL121601, AC005736,</p>

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HPMDP57	1934	567303	1 - 1527	15 - 1541	AC004826, and AL117379. BG009571, BG009579, AW514795, AA507024, BF590140, H11187, BF901147, BF915608, BF915750, BF349674, AI261522, AI304603, AA121995, AL048969, BF913581, AI871940, AA493245, BE062053, AI919330, AW813589, BF917486, AW979158, BF915494, AI733523, AW085751, BF915758, AA757426, AW021674, AW169183, AV683406, AA573024, AW510403, AV712092, AW514844, AW157128, AW806457, AW162314, AI038029, BE049409, BE140949, AA493546, AA618531, AI640905, AW504667, AA554289, BE328286, BG260565, AW731858, BF790866, AW513105, AA613954, BE154909, AV706458, AI801563, AC005591, AL136418, AC011495, AL355392, AL353804, AC011455, AL139184, AC011480, AC005519, AL132777, AC005736, Z81364, AL118502, AC005696, Z95114, AL162505, AC018751, AC009516, AC010422, AC010458, AL049569, AC004031, AC011477, AC006277, AC004884, AL117382, AL109952, AP000553, Z97054, AL121906, AC005412, AC004883, AC005911, AC006512, AC005527, AL031848, AC005089, AC009470, AC011465, AL049872, AC007404, AC005081, AC010463, AC005231, AC006162, AC021016, AC008569, AC008379, AC010605, AL138743, AC008736, AC005207, AP000503, AC008960, AL022315, AC008044, AC004771, AF134726, AC007956, AF007544, AC004797, AC003663, AC005913, AL109758, AC004973, AL138825, AC007226, AC004938, AC010521, Z83844, AJ277546, AC008543, AC010363, AL049795, AF207550, AC004089, AL162424, AL109935, AC009247, AL034423, AP000252, Z93241, AC002991, AC006511, AL109753, AL109743, AL022326, AF243527, AC005529, AL358777, AC003110, AC008392, Z99716, AC011491, AC006011, AL080243, AC004494, AC011450, AC011479, AC004491, AC020908, AC002036, AC003108, AL008719, AL031587, AL355476, AL139327, AL035659, AC005052, AB023054, AL138752, Z86090, AC004263, AL158040, AL109797, AL035404, AC010412, AP001727, AC005225, AC002367, AC005015, AC004477, AC008687, AC005368, AC005256, AC002563, AP000065, AC006057, AC010271, AC034246, AP001725, AC004033, AF107885, AC008050, AL034420, AF109907, AC005740, AL157372, AC018719, AC006441, AL161936, AL109627, AL136137, AP001631, AL031276, AC020916, AC025588,
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HPMEG72	1935	795709	1 - 2060	15 - 2074	BG036646, AW977740, AW851391, W76410, W70067, AA258828, BE739287, AA292618, AA828307, Z32784, AA164841, BF909679, AW628790, W72392, AA292617, BF831943, BF351263, AA164761, AA827251, BF850535, BE780891, AW747963, AA984452, AA984451, AW833033, AW839235, AV731068, AI376325, AW833146, BG231046, BE157009, BF675045, AW902136, AA370897, BE164507, AA557741, AA211914, AW806937, AW890946, AW854788, BF892848, BF830719, BG223185, BF899193, AW847741, BE144698, BE143314, BG015995, BF808065, AI204938, BF808428, BE144683, BF673799, AA552844, AW937725, AU139654, AW902129, BE788398, AU121070, AW902049, AW833143, AA604538, AW847640, BE142867, BF675777, BE062166, AU120388, BF895221, AW901972, BE974167, AW833204, AL133785, BF892843, BF819939, BF748007, BF995888, AU136567, AU116829, AI445578, BF203734, AU131337, BF895188, BF203688, BE142760, BF758031, BE142971, BE142797, AW806942, AL138238, BE090538, AW836280, BF673669, AW836282, AW813625, AW833187, BF574195, BG005451, BE145669, AW499607, AW902141, BE090631, AL040603, BF373928, BE080988,

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HPMFM70	1936	756931	1 - 2274	15 - 2288	AW843440, BG000108, BG000085, AI904710, AA742766, BE062476, BE178481, AV738383, AW674258, AA812684, BE968744, AI123396, AI086646, AW833047, AW502873, AI133083, AA659608, AI216990, AW970987, AI027056, AV756491, BF983617, AV762454, AA613624, AA706495, AA229935, AA515133, AI654738, AA572983, AW073510, AF017104, AC058791, AC016831, U85195, AE000658, AC006390, AL022334, AL158198, AC005221, AC034242, AP001623, AL049714, AP001746, AC008015, AC006449, AC007540.

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					<p>AP000031, AL024507, AL031662, AC022201, AC018716, AL356801, AC004551, AC026776, AP001712, AL121934, AC004890, AC007425, AC007912, Z82178, AC068323, AP001745, AL049569, AL121920, AC002117, AL162831, AP001705, AL121929, AC008038, AP000782, AC022078, AC009302, AC007860, AL121970, AC025434, AL122001, AL121653, AP000255, AC004012, AC005317, AC006417, AP001725, AL133229, AC010422, AC003051, AC008372, AC008773, AL035653, AP000135, AP001707, U82671, AC010745, AP001711, AC003030, AC008264, AC007129, AC005015, AJ229041, Z93015, AP001624, AC017016, AP001721, AC006597, AL121759, AC005776, AC006509, AC007957, AC020904, AC004104, AC006120, AP000240, AC004616, AC007993, AL034420, AL354872, AC002468, AC006948, Z84468, AC009275, AC004089, AL357497, AC004596, AC005513, U91326, AL161670, AL050325, AP000252, AL109935, AC005262, AC004263, AC002544, AC010223, AC006322, AL137780, AL121601, AL163247, AC018663, AL096791, AL031228, AP001709, AC021016, U82828, AP001620, AJ011930, AC004844, AC004776, AC010311, AP001068, AL132670, AC020908, AL109810, AC004971, U47924, AL022312, AL078624, AC004542, AB003151, AP000160, AF011889, AP001724, AL009172, AP001714, AP000032, AC004223, AL159977, AL121939, AP001670, AC005081, AL050348, AB042297, AL008723, U91322, AC010489, AP001067, AC004826, AC009086, AL023655, AC005619, AP000354, AL049840, AL357519, AL121574, AL035406, U85199, AC005098, AL031311, AC008462, AC008278, AC004832, AL117354, AL137230, AC010462, AC005233, AF001548, AL022315, AC005215, Z83826, AL163300, AL109657, AC007842, AL035404, AC012156, AL121825, AP000689, AL133153, AC005736, AP001716, AL355094, AC018758, AL391122, AC008745, AC005158, AC005304, AL445435, AC005409, AC005484, AF200465, AC010527, AL031735, AP001627, AC007371, AC011510, Z97054, AL137139, AC025809, AL022322, AC017002, AC006511, AC006023, AL117329, AC006285, AL133240, AC010202, AC008474, AL353715, AC008556, AL133453, AC007565, AL133260, AP000556, AL035460, AF064857, AC058791, AC058791, AF017104, and AF017104.</p>
HPMFP48	1937	597457	1 - 1142	15 - 1156	<p>AW964231, AK000693, AL022313, AP000688, AP001724, AL050343, AL031311, AC007739, AL049780, AC002115, AL109952, AP001725, AL033529, AL158830,</p>

					AC008569, AC009477, AJ277546, AL021367, AC011491, U07563, AP000359, AC011464, AL121891, AC004383, AC006141, AC012627, AL096701, AC005768, AL080243, AF165926, AF196969, AL022237, AP000689, AC008753, AL023553, AL138836, AC005519, AC044812, and AC044812.
HPMFW01	1938	844865	1 - 2474	15 - 2488	AL530791, AL530792, AL535065, BG170992, BE674953, BE788808, AA604226, BE855814, AA858439, AI522016, AW418929, AI459262, AI949460, BE566846, BF695661, AI920795, AI628581, AI810626, AA213464, BF436958, AI765166, BE266316, BF131526, AA446901, N95619, BE669483, AA165298, AW300022, N48825, AA703596, AA595754, BE218460, AA165297, AI739123, BE044264, AI589262, AI686706, AI472286, AI804402, AW300346, AV649579, BF666992, AI278834, AW169453, W81467, AA679593, AI358082, AA426332, H29503, AI968962, AW602873, AI002939, AV749783, AA074072, W81348, H29504, BE832901, BF342607, AA598694, AI802044, BF126313, AA860722, AI471852, AI299531, AI961851, AW136228, AA707156, AI422999, AA861993, AV692260, AV692283, AV692263, H29787, AI240698, AV698872, BE244952, AV698900, AV691373, AV695584, AV694677, AV687965, AA946852, AV696854, R13303, AV696838, AV690233, AA564851, AI762353, AA426331, BG248951, AI538012, T05291, AV698875, AW293669, BE258595, AV689303, AA348529, AI872899, R40786, T78749, BF511371, BE694349, D12186, AW961934, AW300980, N45617, BF736483, R91823, BG058291, AC004918, AK001704, AJ278150, AL049792, AC010979, AC004918, AC004918, and AC004918.
HPMGM06	1939	590991	1 - 1626	15 - 1640	AV718658, AV654502, F25350, BF742110, AW793471, AK025332, and AC016454.
HPMGW43	1940	830452	1 - 1982	15 - 1996	AL517798, BF570287, BE299493, BF569974, BE727823, BF968828, BE799682, BG248344, AA628421, AW853457, BG180249, BG031468, BG105086, BG163781, BE615028, BE272233, BF308642, BE746310, BE746960, BE273209, BF316001, AV709809, AW853517, AW887486, BF940731, BE272932, BG169687, AW276260, BE395080, AI911739, BE408099, AW368496, BF203678, BE273466, BF025964, BE313812, BE898741, AU151561, AI351087, AI457553, AI417841, BE260173, AI401556, AA630397, AI623387, AA406330, BE383469, BE696019, BG180322, BE696025, AU152997, AA528205, AI688806, AW853619, AL517799, AA843126, AI095728, AI523824, BE927047, BG030312, BG027586, AI288598, AA639768, AW853609, AW007212, AU153750, W00914, AL120403, AW368537, AI950043, BE927043, AA427929, AI369199,

					W03251, BE274546, AA716484, AI004933, AA461464, AI241582, AU150977, AI141358, AA223608, AA088270, BE410235, BE676322, AA188609, AA032059, AA827119, W23547, T03778, AA765637, BF806156, AA173524, N70108, AA688385, AA195523, AA428043, BE301329, AI051356, AI367798, AA704402, N43997, N70025, AA476437, N34934, AI040070, W79512, AI874289, AI332856, AA512905, BG107199, BE271855, AW999918, BF806152, BE745091, T75229, AA621588, AA781673, W25933, AA173708, AA188694, T53366, AI286143, H11239, AI248912, AI039482, BE208267, AA460114, AA252837, BF091610, AI591400, AW753264, BF826936, AI817938, AA253116, AA476542, BE833100, BG026354, AI184071, AA088378, AI245829, BF376364, T23887, BF808099, F12918, Z46012, AA716550, T53365, T77984, N74931, H11240, AA031968, AL530440, AI863950, AU131215, AA989073, W88791, BE898737, AW753266, BF155481, AW602280, BG026647, C21148, AW959868, BG180474, BE938042, H21469, BF327293, AA090963, AI093537, AA364792, AA737608, AW361409, BE560719, AW753250, W79399, BE269243, BE296345, BE395532, BE000174, AU132164, BE910308, BE560590, BE543606, AA586989, AX011653, AX014864, AF086628, AK023241, AF086629, AK024771, AK025720, AF160212, AL035455, AF115504, AF086631, AL133342, AC021998, AL049649, AC068496, AC008074, AL132708, AL079304, AL359916, and AA252708.
HPMGY89	1941	822864	1 - 2053	15 - 2067	BE178175, BE177925, AI861822, AW996841, BE178444, AI743209, BE178120, AI762220, AI678966, BF110007, AI971073, BE179439, AI651411, AI684302, AW769138, BF111530, AA972062, AI685904, AI249461, AA783045, H77441, AW082427, N29319, T49530, AI202225, AI676039, T17270, H94356, N57010, BF588491, Z40706, AA599574, AA026884, AU158229, T16789, BE708576, AW955367, AI884512, AI061657, AF118767, U91327, AC001226, AC004638, AC009086, AC009319, AL049872, AC007057, AP001814, AP001814, and AP001814.
HPMKB09	1942	900362	1 - 2212	15 - 2226	AL523557, AL524459, AL520864, AL524458, BE797270, BE738365, BE799999, BE797125, BE795304, BE559810, AL536412, BG029222, BE560497, AL138082, BE560176, BE513095, BE791865, BE745922, BE545163, BE561590, BE746537, BG177219, BE907437, BF305271, BE799866, BE791039, BE559592, BE251828, BE544399, BE277420, BF338518, BE297879, BE890138, BF663830, BF308083, BE796881, BF340321, BE388333, BE747177, BG169861, BF128654, BE350925, AW385462, BF307517,

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HPMSH26	1943	780109	1 - 1744	15 - 1758	BF570468, AI692236, AI590873, BG260919, BE379711, BG109465, AV705560, BG163576, BF346570, BG168165, AW069724, AI679159, AW968030,

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HPMSH96	1944	610023	1 - 1561	15 - 1575	<p>AA629925, BE763791, H72652, BE908078, AA608918, AI281780, BF218469, AA961453, AA722892, AI332739, AA973617, AA603489, AA915987, AW079394, AI869194, AI129007, AA888787, AA015604, BG230596, AI373946, W44698, AA428180, N92769, AI222733, AI581432, AA769628, AI278075, AI571827, AI493527, AI129047, AA889961, AW615555, AA233507, AA782684, AI268565, AI033900, AI536792, AI186796, AI042571, AI277640, AW150107, AI057541, AI985026, AI149357, BE207693, AI285114, AI913908, AI149172, AA025840, AI245598, AA182559, AA649263, W46462, W52279, AI084788, AA946946, AI913765, AW517229, AA234557, AI188308, AA890435, BE855686, N22726, AA834111, N73279, N79846, AA534333, AI149222, AI038434, AI209163, AA603486, AA831193, AW002100, AI536955, AA362236, AA855051, AA298797, AA932244, AA988258, N72890, AA441895, AI685193, W37548, AW262014, AI344404, N74957, AI185969, AA774551, AA302961, W60715, AA643862, AI186717, AW084767, AI185046, AI039858, AA150914, N70319, AI937781, AW029379, AW168601, AA188013, AA242804, AI167863, AA622054, W72069, AI128596, AI813655, N36845, N20877, H67135, AA149103, AI933306, H72667, AA152246, W44949, AA535331, AA890645, R87180, AI050939, H80636, AA303004,</p>

					AI537465, AA232969, AA071160, AI749253, N68369, N50830, AA111890, F13767, AA181810, AA071076, AA101074, AA775084, BG031235, H95145, H98136, AA804682, H67142, T84081, AW016842, H99817, BE741156, H95378, AA573967, T77862, AW129254, AI186742, AI752708, BE560141, AA186405, H90868, AA582664, AI186721, BE967263, BE796746, AI092125, BF732828, H80119, BE512672, AA340841, N35728, AW327707, AA181235, BG178652, BE560716, AI143297, AI365293, AI954345, N64849, AA296839, R35651, BE791487, BE728901, AA402948, AA640848, BE622343, BE560391, AI928273, BE251897, AI186569, N50645, H72653, BE868159, AA402022, BE786624, BE385940, N68818, F13649, AA070682, BG031701, AA043519, H89503, AW955257, R64357, F26113, AI557066, AI423303, W38620, BF238153, BF691400, AI675685, AW024712, BE909622, BG259314, H89649, AA587378, AW605927, C20937, AA999673, AA773450, D45450, AV655980, AW795183, AW629649, AA165033, BE818982, BF691576, BE791208, BE563024, U90313, AF212303, D17168, AC016744, AC016744, AC012276, AC012276, AL357336, AL357336, and AL357336.
HPQAJ25	1945	853550	1 - 535	15 - 549	AV709390, AL036485, BG056965, AA780355, AI096763, AW029605, AA037231, N52620, AI560226, AA069437, N53358, AW028880, AI264775, AI858940, AW138433, AI582384, AA569965, AI678797, AA929063, N41010, N93863, AI219156, AA149848, AW517179, AW341952, AI186941, AI139309, AI150692, AA149803, AW778815, AA621741, AI887136, AA480367, AI122849, N51116, R43155, N23609, AI301094, AW950411, AI962919, AU145938, AI342701, AI360750, AI805878, BF448017, AI335713, AI360714, AI358678, AI127867, AL079879, AI969128, H88637, AI682803, AI475028, R62368, R56869, BF436018, AI927440, AI807004, N67604, AI431806, AI873779, BE045706, AI436746, D25622, AI457509, BE552098, AA969967, AI760974, AI498680, BE395341, AI092072, AI922485, BF195730, BE501550, BF115105, AI887907, R41502, BE966826, R26824, AI476678, AI701207, C21338, AI338819, BF115838, AA983931, AA745926, R62367, BE220071, AA599581, BF340377, AW150149, BF436189, AA328457, AA031945, AI095709, AI216130, BF681640, BE379642, AI871905, AI695379, BE885672, AW855497, AI253109, AI767055, AK025048, and AL359554.
HPQAJ27	1946	782957	1 - 1383	15 - 1397	
HPQAN50	1947	788813	1 - 1271	15 - 1285	AW864205, AJ006345, AC002403,

					AC002403, AC002403, and AC002403.
HPQAO80	1948	740261	1 - 971	15 - 985	AL121601, AC002530, AL121601, Z93014, Z93014, AL355476, and AL355476.
HPQAW27	1949	716371	1 - 947	15 - 961	AF191071, AL357506, and AF191071.
HPQBC90	1950	612818	1 - 1003	15 - 1017	AC062021, AC062021, AC011174, and AC011174.
HPQBJ48	1951	637788	1 - 808	15 - 822	AV744657, AV738340, AW366296, AV744012, T48593, AW375405, AV742732, AV742048, AV681505, AV681504, T03269, AW375406, AV742050, AV681526, AW964468, AA585439, AV740249, D51250, AV743048, AV744690, AV701237, T11417, AV702035, AW963289, AV699103, AW949643, AV701472, AV701436, AV701388, AV701297, AA585278, D81111, AV742757, AV742025, AV753956, AV701276, AV701320, C14227, AV701173, AV701283, AV701471, AV701384, AV701449, AV701071, AV701372, AV701088, AV701027, AV701030, AA283312, AV742899, AW966389, AW949645, AW966330, AW956977, D80064, AV701467, D80045, AV742733, AV699153, D59503, AV745415, AV701468, AV699098, AW360811, AW953750, AW949642, AW963961, AV701189, AV701136, AV701254, AV701435, AV699218, AW960162, AW949665, AW949667, AV699144, AW959372, AV699170, AV699269, AW949707, AW955886, AV699229, AV662317, AA585378, AV699136, AV662287, AV699123, AV699224, AV662272, AV699196, AV699125, AV699203, AV699219, AV699131, AW960161, AV699182, AV699246, AV662235, AV662247, AV699200, AV662257, AW955883, AW955403, AW955893, AV699250, AV662248, AV699247, AV699199, AV699137, AV662242, AV699223, AV699147, AW962627, AV662268, AV662225, AV662191, AV701198, D58246, AV701403, AV746179, AV701201, D80258, D58101, AV662218, AI526112, AW176467, AA585325, AV701301, AI535686, AV662288, AV699204, AV699156, AV699197, AV701123, AV701034, AV701132, AV662223, AV701410, AV662149, AW377671, BE815315, AV701223, AW962603, D80014, AV744949, C06015, AV701357, AW965158, AW360844, AA585329, AI557774, AI557751, AV699167, AA514184, AV699119, AV699139, AW951170, AW962629, AV701311, AV743654, AV662319, AW753064, AV740535, AW178893, AA585430, AW964532, AV741888, AA585327, AV739506, AA585389, AA585116, AW752082, AV646970, AV662302, AV699175, AV662289, AW753067,

					<p>AW177440, AV662207, AW951316, AW178906, AW360834, AW753053, AV758536, AV740765, AV740192, AV662196, AV737584, AW753051, AI535959, AV698330, AV692714, AV758213, AV699129, AV701125, AW360817, AV701059, AW952650, AV701149, AA305578, AV739001, AW966043, AV701451, AW960532, AV699669, AV758756, AV745948, AV700313, A94995, AR070327, AX035434, AX020191, AR038669, A30438, AX020190, AR016514, AR091537, AR074545, U46128, AB035274, AR029417, AR062872, A59874, A44281, AF135243, AR031365, A85395, A85476, A43190, AR008429, AB005666, AJ007320, A62298, AX047063, AX047064, A62300, A91750, D26022, AR028672, A91667, A91666, AX034425, A82595, I50133, AR060142, AR017826, AX047062, X82786, AJ131952, X93517, Y17188, AR031358, X55499, AX021518, AR037157, Y17187, AB010386, AX018972, AX000478, AX000480, AX000474, AX000476, AR062871, A70899, A84772, AX023385, A84916, A84776, A84773, A84775, A84774, AR032065, AR074139, A43192, A64136, A68321, AB027145, I50122, AR087528, M60510, AR060137, AR060134, AX003194, AF134119, I50126, I50132, AR008408, A78862, A25909, I50128, X84816, AR018138, D34614, A83076, U79666, Y12724, AR060138, AJ302649, A70872, AR060057, AX028130, A67220, D89785, AJ132110, AX033851, X67155, AX027925, A63261, AR087649, U89315, AR008278, I14842, A70869, AB028859, AR066488, AR066487, AF058696, AR074136, A70867, A45456, Y09669, AR054175, AR060385, A26615, AR052274, AR093385, X68127, D88547, D89083, AB002449, AR008443, AR050680, D86949, AR016691, AR016690, AJ012010, AR068047, AF123263, and A44216.</p>
HPQBJ48	1952	867512	1 - 808	15 - 822	<p>AV744657, AV738340, AW366296, AV744012, T48593, AW375405, AV742732, AV742048, AV681505, AV681504, T03269, AW375406, AV742050, AV681526, AW964468, AA585439, AV740249, D51250, AV743048, AV744690, AV701237, T11417, AV702035, AW963289, AV699103, AW949643, AV701472, AV701436, AV701388, AV701297, AA585278, D81111, AV742757, AV742025, AV753956, AV701276, AV701320, C14227, AV701173, AV701283, AV701471, AV701384, AV701449, AV701071, AV701372, AV701088, AV701027, AV701030, AA283312, AV742899, AW966389, AW949645, AW966330, AW956977, D80064, AV701467, D80045, AV742733, AV699153,</p>

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					D59503, AV745415, AV701468, AV699098, AW360811, AW953750, AW949642, AW963961, AV701189, AV701136, AV701254, AV701435, AV699218, AW960162, AW949665, AW949667, AV699144, AW959372, AV699170, AV699269, AW949707, AW955886, AV699229, AV662317, AA585378, AV699136, AV662287, AV699123, AV699224, AV662272, AV699196, AV699125, AV699203, AV699219, AV699131, AW960161, AV699182, AV699246, AV662235, AV662247, AV699200, AV662257, AW955883, AW955403, AW955893, AV699250, AV662248, AV699247, AV699199, AV699137, AV662242, AV699223, AV699147, AW962627, AV662268, AV662225, AV662191, AV701198, D58246, AV701403, AV746179, AV701201, D80258, D58101, AV662218, AI526112, AW176467, AA585325, AV701301, AI535686, AV662288, AV699204, AV699156, AV699197, AV701123, AV701034, AV701132, AV662223, AV701410, AV662149, AW377671, BE815315, AV701223, AW962603, D80014, AV744949, C06015, AV701357, AW965158, AW360844, AA585329, AI557774, AI557751, AV699167, AA514184, AV699119, AV699139, AW951170, AW962629, AV701311, AV743654, AV662319, AW753064, AV740535, AW178893, AA585430, AW964532, AV741888, AA585327, AV739506, AA585389, AA585116, AW752082, AV646970, AV662302, AV699175, AV662289, AW753067, AW177440, AV662207, AW951316, AW178906, AW360834, AW753053, AV758536, AV740765, AV740192, AV662196, AV737584, AW753051, AI535959, AV698330, AV692714, AV758213, AV699129, AV701125, AW360817, AV701059, AW952650, AV701149, AA305578, AV739001, AW966043, AV701451, AW960532, AV699669, AV758756, AV745948, AV700313, A94995, AR070327, AX035434, AX020191, AR038669, A30438, AX020190, AR016514, AR091537, AR074545, U46128, AB035274, AR029417, AR062872, A59874, A44281, AF135243, AR031365, A85395, A85476, A43190, AR008429, AB005666, AJ007320, A62298, AX047063, AX047064, A62300, A91750, D26022, AR028672, A91667, A91666, AX034425, A82595, I50133, AR060142, AR017826, AX047062, X82786, AJ131952, X93517, Y17188, AR031358, X55499, AX021518, AR037157, Y17187, AB010386, AX018972, AX000478,
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					AX000480, AX000474, AX000476, AR062871, A70899, A84772, AX023385, A84916, A84776, A84773, A84775, A84774, AR032065, AR074139, A43192, A64136, A68321, AB027145, I50122, AR087528, M60510, AR060137, AR060134, AX003194, AF134119, I50126, I50132, AR008408, A78862, A25909, I50128, X84816, AR018138, D34614, A83076, U79666, Y12724, AR060138, AJ302649, A70872, AR060057, AX028130, A67220, D89785, AJ132110, AX033851, X67155, AX027925, A63261, AR087649, U89315, AR008278, I14842, A70869, AB028859, AR066488, AR066487, AF058696, AR074136, A70867, A45456, Y09669, AR054175, AR060385, A26615, AR052274, AR093385, X68127, D88547, D89083, AB002449, AR008443, AR050680, D86949, AR016691, AR016690, AJ012010, AR068047, AF123263, and A44216.
HPQBL67	1953	559372	1 - 1073	15 - 1087	AL135932, AF064860, AL163280, Z99130, AL031115, AC017086, AL135932, and AC020695.
HPQBT17	1954	826413	1 - 1206	15 - 1220	AC010204, AC010204, AC026110, and AC026110.
HPQCF94	1955	684368	1 - 937	15 - 951	AC010945, and AC010945.
HPQCI62	1956	566799	1 - 1057	15 - 1071	
HPQRS74	1957	655361	1 - 549	15 - 563	AA740623, AI267595, AC003037, AC003037, AC003037, and AC003037.
HPRAD30	1958	805969	1 - 2916	15 - 2930	Z99353, AW962740, Z99352, BF670505, BF438305, AI798995, AW965292, AW024643, AI277780, AI097416, AI292046, AA427481, BF574410, AI023101, BE468246, AI056079, AI037916, AA020941, AI039913, C04342, BF667799, AI342997, BE958580, AA253443, AA807752, AI858871, AI797269, AA809681, AI242690, AI445912, W42638, BF726541, AW474757, AI287838, BE897712, W42430, AA504242, W04947, D57895, D79788, AA430672, BF875789, BE538980, AW166085, D57602, AA369849, AA332083, AI525847, AW993704, AA489211, H01188, AA612905, AI357027, Z28490, H01284, AI989582, N57099, AW993757, AV654262, Z19385, AI872647, AL161997, AL133600, AR036572, and U91328.
HPRCC91	1959	638151	1 - 918	15 - 932	AL528267, AI766307, BF063053, AW020040, AA442438, AI809139, AI625991, AA031833, AI372857, AA954901, AI589381, AI079895, AI767759, AA234665, AI040650, AA577034, AA974342, AA486976, AW196687, AI129779, D57401, AW188808, BF575774, C03052, AV658947, AI499340, AI077459, AA136154, AI890964, BF670706, BG055245, N71986, AV658994, BE677541, BE000941, AA151269, AA479736, AA904766, AI627807, AA468532, AI264397, AA442798, Z25134, Z28958, AA136070, AI028650, BG035457, BF245747, BF692942, Z28576, AI270623, AA151268, AA975394, AW864461,

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HPRCF40	1960	834808	1 - 2890	15 - 2904	AL118822, AU120116, AW949780, AW368195, AU136378, BF672321, AW949772, BF343210, AV647327, AA020767, AA805651, BF343307, BF964981, AA777671, AL040731, AI052753, BF790480, AW043708, AW611834, AI934341, AI692218, AI813384, AI129264, AI623210, AA032025, AA917319, AI659361, AI633530, AV728387, AI761894, AI802143, AW512682, AW804652, AI078548, AI373722, AW368145, BF001516, BF575294, BF343127, AI185142, BF241005, AW675785, BG055127, AI589187, AW501351, AI492965, AI334970, BF109219, AI148094, BF673972, AW629685, AL040732, AW118039, AA911023, AI754312, AI523089, AW118031, AW771479, AA056300, AW002191, AW302578, AA031914, AW673464, AI401253, AI040768, BF449051, AI479544, AW501352, BE547656, BF215788, AA047451, C01333, AI268089, AI076275, AI344749, AI129110, BF701512, AW835591, AV682085, AI433888, AA825450, AI261676, BF696195, AW470003, BE907830, AI984242, N69536, AI245165, AA644402, AA733179, AA020768, BE930149, AI372863, AW385523, BE930157, BF086234, AA724435, BF086229, AI032486, R86224, W00822, AW339691, AA764956, BF840999, AW835672, AI982771, AA773699, BF987882, BF701693, AI274493, R84852, AI343746, BE930144, AI142492, AA112057, AW592904, AI872968, R59102, AA017282, AW835676, AI863708, AV732392, AA830217, BE930179, AI247995, N99687, AA083799, BF086233, AW955352, H86635, BE536679, AI352228, AI695954, AA113340, BF029973, AA773860, AA317438, AW748183, AA112637, R98711, BE958434, R98935, BF343973, H86640, AA047508, R59103, R77563, AI248001, H86386, H66174, AA325403, H72726, R48554, AA903152, H85264, AW835756, BF089704, AI001903,

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HPRCF50	1961	638153	1 - 1945	15 - 1959	BF031135, BE877107, AA346438, AW953046, AA376115, BE542654, AI049630, AI572680, AI962030, AA515351, AI733856, AW082104, BF905075, AA284247, AI431513, BF216280, AI801505, AW631267, AA634837, BF970107, BF030278, AI499954, BF821968, AW502873, BF834843, AA809546, AI299891, AI609972, H77492, AA491767, AA857377, BF744666, AA904211, AI254779, AV647070, AI206841, AI797998, BE142845, BF804385, AI499376, AV697609, AA630845, R44593, BF032064, AW968188, AI619994, BG112362, AV764259, AI914748, AW151247, AI246996, AA837035, AI040051, AI433952, BE328286, BE077105, BF771774, AI926728, AV743869, BF675251, AA128511, AI801563, AW469846, AI859438, F02412, AW270258, BF764092, BG180976, AI049845, BF673854, AA715173, AA715075, AW341978, AA302661, AV762112, AA714011, BF736669, AA807704, AI031759, AW148964, AA226133, R99253, AW338021, AA622801, AA605243, AL041854, AI281818, AI678476, AA661583, AA558404, AW275432, AI653776, AI298787, AI090377, AI189682, AI243789, AI613389, BE043339, AI278089, AA640094, AA659832, AA721645, AW572140, AI187148, AA603413, BE206133, AI249365, AL050173, AP001745, AP001619, AC018758, AL035458, AC002350, AC008014, AL031685, AL021937, AC024247, Z95115, AL050341, AC005632, AC005620, Z95116, AC005071, Z93017, AL391839, AL354948, AC008569, U29895, AL136137, AC006211, AL023880, AC004089, AC005570, AC005361, U85195, AC011895, AC006101, AL133418, AC009086, AC006061, AL499628,

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					AC004983, AC011540, AC010203, AC018644, AC006312, AP000694, AL049697, Z98749, and AF168787.
HPRCL58	1962	566873	1 - 1125	15 - 1139	BF696367, BF540918, AW341111, AA044864, BF938957, BF215837, AI292080, BF224116, AA744787, AI817131, AI494552, AI683205, AI818054, AI934363, AI912627, BF102579, BE672706, AI690009, BF515906, AW270024, BF196733, AW834910, AA047502, R66959, N33812, AW385439, AW580654, AW373499, AW834905, AW580658, R34571, BF154748, AW373498, AW580662, AW385443, AI127855, AW014566, AW516023, BF115725, AI658590, AW385447, AI147910, AI635220, AW834897, AW069307, AI299728, AW580651, AW834937, BF590244, AA044820, AW834967, BF747247, AW364211, BF154745, BF357802, AW373442, AW338344, AI912815, AW580660, AI766422, AW364212, N79726, AI243430, AW364210, AA663968, AI381583, AI580899, AW580657, BF154741, BG261042, AW364209, BF436178, D62607, AK000143, and AK025014.
HPRCM72	1963	813512	1 - 2441	15 - 2455	BG166460, BE883382, BF683382, AI341658, AW952999, BG163786, BE465453, AI338324, BE326569, BE464879, BF433097, BG261233, W46356, BF437934, AA149241, AI031948, BF445095, AA461239, AI655712, AI828045, BF666548, BE645287, BE218005, AA740917, AW089849, BE938758, BF038531, BE043103, AW162691, AV734920, AV713130, BF001984, AI338571, AA811891, AI830924, AI457882, AW081477, BF670487, AI694811, AI828812, AI811880, BF513545, AA769609, BE550664, AW450022, BE217994, AI458724, W94368, AV716605, AW172702, AA460935, AI332449, AA745014, AA807040, AI167711, AA701349, BF681205, BF541286, AW573067, AI571036, AI336394, AI458489, BF027933, AA864779, R63261, AI221414, AW511576, AA578272, AA805282, AA781586, W94477, BF110711, N50967, AW118243, AW630626, AA705280, AI081322, AA804627, AA505733, AI079516, N21046, N66225, AA620673, AW664752, BF700662, AI291751, AA743371, AI080702, AA976574, AA702877, AA830244, BF572889, AA121467, W46192, BF354049, AA121295, BF435675, AI873006, AA150022, AI216060, BE244500, BE865586, AI342791, AA325308, BF666155, AA586934, N98297, AI535871, AI766438, H82449, AW613882, AW085296, AI584035, AI224954, BG104548, AI276071, AI806750, AI682664, AA076152, AA832356, AA076057, T87592, BE765250, AA669771, BF208676, AW511081, AA860585, AW118242, AW959674, AA228738, AA995894, AI184762, AA830530,

					AW118244, H65071, AA492305, AI352669, H65630, AI095304, BF244857, BE775070, AW971029, Z43498, AI631433, BE243950, N92624, AA976997, T59146, AW517774, BE786488, H05855, AA345351, BE714157, BF247351, R21170, AA285079, AI383913, D79961, W38747, AI610582, AA890635, H79991, R93581, AA304798, N27877, T59184, AI869421, H05748, R22788, AI743377, L32010, Z39568, BE934528, T97283, BE301973, BF675995, AI933883, T97395, H79992, R07789, AW007681, R63213, AA044925, N76786, BE826985, AA150087, H65072, BE938783, AW748686, BF237813, BE768786, BE866492, R93582, BE844122, BE938793, BE938764, AA379573, BE173330, BG114724, BE700340, H03778, AK025902, AL110163, A86967, AC010189, AC010189, AC015867, and AC015867.
HPRCS59	1964	601523	1 - 758	15 - 772	AI656842, AA601318, AA533253, AV706046, AW844236, AW809582, AC005261, AL133162, AC011294, AC005261, and AC005261.
HPRCT73	1965	610024	1 - 1467	15 - 1481	BE867247, AW959185, BG180102, AI692282, BF326265, AI693177, AI770016, AI797349, AU153608, AA744561, AA858185, AA187681, BE218816, BF223634, BF963661, AW511501, BF962265, BE246012, BE645738, AI859101, BF447881, BF059295, AI914038, AI910707, BE219038, AI475851, AI685003, BF959364, AW469637, AW386170, AI346564, AA082682, AI676076, AI918036, N69071, R12698, AI125336, BE550679, BE670589, T10225, AI338497, AI701137, AI453440, AI831296, AA805525, AA983739, AI218164, AI348290, AA487625, BF108577, AI805299, AI628055, AW470873, AA731856, AA469961, BE857670, AW104323, AI932332, AA749368, AI419477, AI280851, AI272788, R53451, AW292462, H19984, AW612389, AI536849, D55901, AA101186, BF477827, BF939581, H18615, Z43908, AI367265, AV728610, AW339028, BF239838, T23854, AA912188, AW162414, AW161923, AI129135, AA421030, AI572157, T34429, F07305, Z39946, T10224, AA358131, AA610763, H18616, F03171, H92677, R53452, AI679046, H08463, H41527, BG253588, BF822918, AW086187, D61160, AI205478, AI831292, BE243443, H04042, H19985, C03630, Z43104, BF927323, H92276, AI638791, F06292, H41634, BG149793, H72176, AA917503, AI547248, AI264383, AW003446, F02580, F01551, AI766728, F02581, N55988, BF054881, BF927224, R16442, AI702728, AW954002, BF900643, AW207551, BF957332, BF963346, D25748, AF236703, AW368832, AA988910, BF348583, AV683324, AA932333, AI086160,

					BF062714, BE247326, BF956229, AI094725, AV685615, F05296, BF959935, AW439925, BF928012, AA365932, BF961886, AI683335, AW402382, AW169022, BF961929, BE079725, R89232, BE089137, AL121961, AK023221, AB010441, AF106624, AL121961, and AC068738.
HPRTH56	1966	852240	1 - 1363	15 - 1377	AI346438, AW891971, AA156797, AV711377, AW772639, AA156904, BE855990, AW614183, AW580724, AI393503, AI816049, BF432440, AI802119, AI590317, AI571764, BF084107, BF224183, AW292394, AW952951, AW891959, AI754161, AW891954, AI653967, AW263668, AW043922, AI951964, AI271699, BF821375, BF821355, AI027697, AA551259, N67237, AI928434, AI280989, AI796478, BE328162, AI805784, BF767002, AI366456, AI623436, BF767024, BE244563, AA932988, AA604791, BF803965, BF957387, AW243456, BE244768, AA678614, Z41210, AI202308, AA366041, BE766746, BE766747, BF941157, AI475208, AW891953, BE938860, AA640351, AW839352, AA461264, AA460957, AA344048, BE931348, BF921692, BF999415, AI421736, AU127124, AA295523, BF790686, AL133585, AF015812, AC009994, and AC009994.
HPTRE80	1967	884167	1 - 1159	15 - 1173	AI719545, BG248226, BE886380, BF116178, AW003531, BF207082, BG250696, AL044449, BE538221, BE784939, AI885407, AW246550, AA490655, AW024407, AW081534, AW960860, AW872780, AI870293, AI360297, BF036691, AA490654, AI921772, AI553796, AA613650, BE537572, AI673517, AI360358, AW082921, AW263806, AI417178, AA846693, AI214250, AA001318, AA374910, AI827461, AI560048, BE314431, AI340075, AI318298, AA595365, BE837126, AA580265, AI829934, AI085813, AI376538, H27782, BG007963, AA948279, AW074629, AW135529, AA910140, AA297010, AA857878, AW248341, AA832012, BF511306, AA297016, BF529929, BF244493, AA906871, T07218, AA568231, AA953262, AI383030, AW150846, AI140575, AW407144, BE884493, T30682, AW248342, AV727418, AF177385, U62317, and AL021683.
HPTRI42	1968	655362	1 - 1084	15 - 1098	AL530013, BF689272, BF057597, BE780679, BE264598, AU159982, AU159148, AI889175, BE782348, BE867162, AW001971, AV660589, AI940395, AI589299, BE398067, AI808453, AA809956, BE397390, T15859, AI962984, H20543, AA235197, AI685406, BG056919, AA862809, BE514151, AI243558, AA995380, BF590659, AA962405, BE696154, BF868362, H20635, AW242465, BE504803, BF348076, AL110260, AK023915, AC004229, AC004229, and AC019071.

HPTRL95	1969	838154	1 - 678	15 - 692	AW006520, AW966157, AI198537, AI826987, AI082195, AI141999, N27331, AW300793, R44544, AW236663, R41778, AA730176, AA335566, AA599629, AA565993, T84622, BE085269, BE085347, AW151420, AA918501, AI201981, AW182722, AP000356, and AC009287.
HPTRQ52	1970	655363	1 - 644	15 - 658	AL527941, AL533906, AW247351, AI832791, AW245938, AI310124, AW674400, AW515975, AW675728, AL529035, AA226400, AU150370, AA569956, AW469172, AI245352, AI890679, BE300693, AI601125, AI962952, AA533187, AI221330, AI564190, W80352, AW188512, BE394504, AA040058, AA633700, AI208267, AI792211, AI215909, N90770, AA643585, BF221803, AI865794, AU138677, N30739, AW512882, N95345, AI890616, BG166982, AA349670, N59649, H91459, AA994951, BE265966, AA311285, AW731826, BF807476, AA037422, AA554209, T95955, BF240778, BF802840, AA176708, AW592984, AA737167, AA431700, AW006451, T95961, BF807473, AI352253, AI372503, AA229521, T95866, AA972235, AU158023, AI733502, BE767129, AA226924, AA323327, AW388658, AL046918, T95860, H13591, W26197, BE909498, BF476991, AA865022, AI148858, AA936123, BF371957, AA641404, AA876362, BF957886, AI905350, AA813410, AA173027, AI879823, AA876167, AA031577, AW518440, AI784024, AI015568, H54187, R77485, AW405360, AA031456, H13222, AA384005, AA470650, AI275659, W80351, AA431493, AA861578, N35164, AW513500, AW088915, BE241964, BE171388, R69693, R38031, AA054553, AW749739, W21999, AI378983, N78203, BF317122, BF205960, W25254, AI364635, BE546333, AI961834, BE770665, AA928539, AX017990, AB026628, AX017848, AB018357, AK001420, AK024944, AL109672, AB031064, AK027098, E06743, AK000251, AL355514, AC021462, AC021462, AC021462, and AC068629.
HPTTH35	1971	566875	1 - 1120	15 - 1134	BF125912, AA005137, AW977762, BE266503, AA436093, AI963310, AI573243, AA704468, AA455479, AA005244, AA428900, AI810754, AI056816, AA455478, N35118, BF437783, AA693616, AA477384, BE276992, BG056964, AI050816, W94369, BG163630, AA435994, N45307, BG027864, AA505955, W46624, AA810964, R88277, W94339, AW073380, W70273, AI073597, W76012, AI673698, W22100, AW026027, AA838824, AI400196, AA429098, F29095, R42095, BF884441, AV653013, BE264802, AW901350, BF817253, BF795580, BE875784, AA172372, AA629771, AU149953, BG231914, AI597653, BF590492, AA877203,

					AI696682, BE466651, AI659812, AI201867, H38177, AW419193, AI090629, W74642, R91951, AW206921, and AK001397.
HPTTI65	1972	612865	1 - 1161	15 - 1175	BE146891, BE146934, BE147052, BE181152, AA429100, BF514237, T78063, AI355725, R29427, BE717873, BG109270, BE885353, AI254812, BF885675, AI696626, AW023590, BG163618, AL036980, AI698401, BG168696, AI633419, AI800433, BG122481, BF970449, AL079740, BE886827, BE781369, BF904265, AW169653, AI345735, AI371228, AW302988, AI889147, AI567351, AI805688, AI439717, BF344479, BE047952, AI800453, BG029829, BG026428, BE887488, BF344652, AI611348, BF527014, AW302965, BE785868, BE964078, BG168185, AW302992, AI690748, AW151136, AI312428, AI801325, BE895585, AW020693, AI349957, BG168549, AL036274, AI470651, AI922561, BF680133, AW002174, AI345005, AW827106, AA833760, BF726237, AI251221, AI340627, AW163823, AI382670, AW162189, AI308032, AI538342, BE964247, AW196105, BE965355, BG030364, AW068845, AI344785, AL041772, BE963035, BE897632, AW827276, AW130863, AI433968, BF339594, AV708097, AI888621, AL041150, BG249582, AW020561, AW167448, BF343172, AW074993, AW071380, BG031664, BG180996, AI335426, AI862144, AI348777, AW149227, AW301300, AI814087, AI497733, AI433384, AI352326, AI281867, AI932638, AW075207, AL036857, AW050578, AW946806, AI312152, AL040243, AI306705, AI473598, AW090393, BE910703, AW152469, AI567582, BG256090, BG036846, BF971016, AI866798, AI872910, AW845239, BF339322, AI349614, AI431424, AA640779, AI468872, AL036548, AI343112, AW193134, AL120853, BF814357, AW105601, BE966990, AW020095, AW167918, AI334884, AI307543, AW169604, BE789764, BG034550, BE138712, AW243886, AW268253, AW274355, AI345224, AI567612, AI282355, AI349598, N71180, AL036925, BE965192, AI890806, AL036664, AI349256, AI554821, AI589267, AI921433, AW269097, AI343037, AI955906, AI313320, BG165051, N75771, BE886728, AW089689, AV746964, BF814521, AW022682, AL079963, AW075084, BG113299, AI590686, BE048087, AL036403, AI950664, BF872670, BE965067, AI349937, AI307520, AI473451, AL048644, AA613907, AW089572, AW071412, AI254226, AI307210, AI307708, AI312325, AI500659, AW072719, AI868204, AI582483, AW087938, AI340659, AI873644, BF909758, AA911767, BE964497, BE778453, AI336495, AI612885, AW129929, AI313352, AV701900,

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HPTTT62	1973	561954	1 - 539	15 - 553	AI279382, AW079776, AV724267, AI371023, AW001957, AW470112, AA004222, AA161098, AW661843, AI301430, W73006, BF475462, AA287151, AA628453, AL521250, AU154198, AA223577, AA630975, AW957475, AA034049, BE242938, AA865389, AA593635, AA284731, AL529908, AI290829, AA988433, BE300077, AA036867, R41300, AW900237, AA287908, AW085031, AI761044, AI420359, AL514731, AA373524, AL514717, AL514701, AW965325, AL514887, AL514793, AL514885, AL513961, AI926878, AV726125, AI859991, AI866770, BF904265, BF904193, AL514757, AI623941, AI886753, AV721999, AI620284, AA641818, AW300782, BF764538, AL036673, AW300889, AW983829, AL515375, AI918449, AW051088, BE536058, AI923989, BG249582, AI783997, BE048087, AL514939, BG164558, BF037484, BE963560, BG166654, AI570807, AI933589, AW983832, AW026882, AI635067, AI923370, AI868931, AW149925, BE875750, BF812960, AI863191, AI537261, AW161156, AL120700, BF812938, AI241923, AI445992, AI624293, BF970652, AI500061, AI433157, AI702073, AV728053, AI612750, BF812961, BG034550, AI890907, AI345745, AL036631, BG251076, AL513895, AI633125, AA665531, AI698391, AI538564, AI915291, AW152182, AI582932, AI872423, AI521560, AI889189, AI866469, AA502794, AI783504, AW054964, AI884318, AW238688, BE964717, W74529, AI824576, AA579618, BE964614, BF699668, AI434741, BE964263, BG104820, BG257535, AW130930, BF527014, AI537244, AI382670, AL514929, AI445990, AW089275, BE620444, AW118518, BF061283, BG029829, AI890507, BG163618, AW021373, AI499621, AI537677, AI886123, BE963838, AI801325, BF344691,

				BF382087, AW168485, BF343568, AL045500, AI473536, AW806761, AL046595, AL514773, AI288305, BF970768, AL119863, AW020693, AV712254, AW051059, BE963691, AI860003, AI274507, AI917252, AI620089, AA449768, AW151136, AI627988, AL119319, AL036634, BE047852, AI874166, AL036980, AI670009, AW243886, AI288285, AI866457, BG179993, BF814412, AI567582, AL041772, BF814335, AL079963, AI432040, AW163834, AI863321, N33175, AI568138, BF725001, BG168185, BE964812, AL046835, AW827206, BE789764, BE962978, AI419650, AL036274, R32821, BE890185, AI091468, BG121959, AL040241, BG114104, BF910810, AI345347, AI310940, AI815232, AL040694, AI866127, AA908294, BG029053, BE964209, AI499986, AI802542, AI538764, AI863382, AL037649, AI677796, AI632408, AI886181, BE541445, AI686576, BF753013, AI500523, AI587121, AI473451, AW238730, AI619502, BF793644, BF811804, AI554245, AV757781, AI500662, BE966699, AI499285, AW104141, AI869125, AI670767, AI865334, AI888661, AI538028, BE785868, AI583085, AI572096, AW022699, AL442072, AK001644, S79832, AF022363, AL162004, AJ005690, U72620, AF090943, I89947, I48978, AK026164, AR038854, AF130055, AF087943, AF079763, AL137533, A08913, AF119896, AF057300, AF057299, AK026744, AL389939, AL110196, AL121722, AK026462, A08916, AC007282, A08910, A08909, AL117416, AL110218, AL389935, AL137529, I09499, I48979, Y07905, AK024538, AL122121, AL442083, A77033, A77035, AL121656, A08912, AK024588, AL137478, I89931, AB050410, AK026762, AK025435, AR087170, A08908, AF130059, AF218031, A90832, AK026592, AK026542, AF026816, AL050277, AB016226, AR038969, AR034830, I96214, AF217987, AF130092, A07647, AR079032, AL359618, AL080126, AL389982, AL137665, E12747, AK024992, AL049283, AK026480, AB050510, AK026959, AL110197, AF061795, AF151685, AK026927, AF130082, AL353940, AF130110, AK027116, AB033884, AK027114, E05822, A18777, AX040974, AL162062, AL096751, AL050393, U75932, U88966, Y11254, AF116602, AF260436, AK026593, X82434, AB048953, AB052191, AL137550, AK000083, Y14314, AK026550, AK000418, AF119899, AL137557, AK026528, AL080159, AJ299431, AF069506, AL137271, Z82022, AF183393, AL133665, AB050431, AF090903, AF061981, AF185576, AL133113, AL137527, AL117435, AF116682, U35846, AL137480, AF032666, AL110280, AL133560, AX019230, AF116688, AB048994, AF116610, AL390154,
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					AF132676, AB047941, AF061836, AB050533, AK025414, AX045627, AB048954, AK027204, AF090900, AK026506, AL050146, AL359620, AK026551, AL137521, AL137292, AJ012755, A93016, AB047615, E02349, AF031147, AL080148, AL137539, I09360, AF100781, AL162008, Y11587, AR000496, U39656, AF130105, AL133016, X63574, AX019229, AL080074, AF314091, AR083266, L19437, AF067728, AX042059, AB041801, E06743, AL137560, AF119865, AL162083, AF116609, AF026124, AK025524, A45787, U68387, AF177401, AL353956, S78214, AL080137, AL050138, A03736, AK026534, AK024594, AL133258, AF111112, AB049892, AK027113, AF126247, AB033881, Y16645, S36676, AL049938, A65341, AK025967, AK025391, AL049430, AF113699, AF106827, AL133081, AL359596, AL117583, AF176651, AK025209, AB048974, AK025092, AF116654, AK027146, AL117460, AK026630, AB038698, AK025632, X92070, AX020124, AF130087, U87620, Y09972, AF130075, AL117457, AF262032, AX046842, AF260566, AL133568, U80742, AL137488, AL122093, E01614, E13364, AF008439, AF116631, X83508, AF230496, AR011880, AF285167, AK024524, AR013797, AX040958, AL359622, X87582, AL050024, AK026583, AK026642, AL133640, AK025958, AL139246, and AL139246.
HPTVH24	1974	831983	1 - 1449	15 - 1463	AL523858, AL530757, AL526604, AL530756, AL523857, BE742122, BG255191, AL536965, BE267204, AL526631, AL525786, AL517094, AL525743, BF683647, AL532624, BF314643, BG119242, AW965225, AW957980, BE793528, AL520557, BE258924, AL530817, AL530818, BE779646, AL517095, AI983378, AW966564, BF477791, BE870471, BE261225, BF975124, BE538921, BE867977, BE856592, BE563479, BG180653, BE261185, BF972782, AL525982, BE207606, BE733006, AA186686, AU119172, BE410472, BE383448, BF311104, BF107526, BE792444, BF309098, AI949363, AW073370, BE737466, BF312662, BE885965, AW297852, AA866117, BE644946, BE251709, AI571754, BE543069, BF686289, AI087053, AA837398, BF184100, AI889098, AI766718, BF130120, BF206936, AI219901, BF185942, AI214230, BE389078, AI471975, AI815177, AI083795, AA740489, AA527147, AA134227, AA908358, AA969313, BE788870, BE266738, BE049224, BF934807, AA661756, AW249810, BG113400, AW732225, AW817546, BE276482, AA134226, AW511415, R72195, AA186685, AL523010, BF312328, BE795248, AA622860, BF313937, AA586777, BE783992, BE262383,

					AW511674, AA350806, F34949, AA326181, AW248074, AI697087, BE908775, AW009686, AI738560, AW592894, BF314882, H96214, BE264413, BF348580, BE275749, BE782334, BE396255, BE933341, BF683551, BE672836, AL523054, AL536964, AI955869, BE173838, AA301762, F19158, AW863226, BF932698, BE206985, AA350807, BE206604, AL520558, BE263986, BF871360, W21593, N89670, AA346389, BE797008, AW183231, C00663, BF808727, BE208535, AK024100, and AB046026.
HPTVH59	1975	695753	1 - 461	15 - 475	AI536712, AI692730, AV751783, AI051194, BE393802, R06700, AV750906, AC010336, AC010336, AC010336, AC024700, and AC024700.
HPTVI04	1976	897503	1 - 622	15 - 636	AL527531, AL530637, BG258647, AI961268, AA781362, AI670127, AA573497, AA406108, AW024309, AA493363, AI378107, AW593363, AW118347, AI972538, R59556, BE350621, AW085179, AI358358, AI961804, N47964, AU154925, AI282954, AA689390, AI921126, W42919, AA926671, R43394, R38643, AW572249, N48170, AW518341, W42864, AW009029, AA025090, F10419, D31581, AI911823, AA807961, AI926438, AI417355, AI829357, AW351626, AA025180, AL080126, AL137394, AK001786, AB014583, AL031705, AL031705, and AL031705.
HPTVI96	1977	636064	1 - 506	15 - 520	BE907476, BF026598, AW070517, AV706787, AV721296, AA156834, AI553893, BE675928, AI288705, AI762669, AW273834, AW024561, AI312660, AI138250, BE672892, AA626719, AA594341, AW974501, AI219985, AW071929, AA828157, AI309908, AI057511, AI268592, AI286041, AI870386, BG222673, AW303596, AA156597, AA812762, AI039165, AI024129, AI089622, AA456739, AI924451, AA989383, AA482452, AI803068, AA417820, AA994692, AI051535, AI801913, AI672921, AI800826, AA494488, AA455184, AI025564, AA954675, AI807763, AA862743, AW952786, AA887974, T98015, AI240669, AA977347, AA972180, AI368505, W24116, AA933043, AI784667, AA934066, AW183454, AI868633, AA907741, AW663428, T86139, AW205935, T89455, AI245098, AA513366, AA515593, AA813534, AA338859, AA115080, BE672891, AI381801, F17301, C03097, AI659028, AA216001, N91938, Z42400, AI913851, AA992249, Z19268, AA365163, AI420340, AI656368, AA648946, AI583724, AA992479, C03931, AA770117, BE185666, AA479458, AI289208, AL045997, BG028917, AK026514, AF151894, and AC004789.
HPVAA15	1978	783074	1 - 1492	15 - 1506	U66672, BG149983, BE220217, AW131017, C75680, AW976862, AI698175, BF592100, BF820191, BE934163, AW139910,

					AV718464, AI927324, BF969534, BF477889, BE934155, AI149841, BF108637, AI350336, BE972368, AI719738, W63628, AI252793, BF693921, C75537, AA678642, AI468753, AA761308, H14372, AV654143, R53428, AI628084, AW303361, BF695268, AI631298, W32872, H26264, AI942287, AW189609, H14421, AW571824, BE008292, BE008304, BE008296, T39821, BF944969, BE503590, BE008301, W32871, T24994, AC005495, AC005495, AC005495, and AC005495.
HPVAB20	1979	601692	1 - 892	15 - 906	AI346507, AV757441, AI291128, AI023312, BF858782, AI400218, BE350174, D62172, BE542927, AI289126, AA878195, AI784347, BF093963, AI289018, R08723, R08629, AI334382, AA626111, AA723223, AL139156, and AL139156.
HPVAB63	1980	561955	1 - 760	15 - 774	AI769491, BF061566, N21690, AW005066, AA810707, AI670911, AL519866, AI692255, AA028186, AA028093, AA748907, AI919266, H95373, H11597, AI222427, R36867, R36878, H11039, F11007, BF038215, H98922, BE673007, R41802, AI081406, AA890250, AA041517, AI955106, AA906163, H95399, T65065, AA340673, AA340628, AI480237, AW952835, AA188967, AI032939, F09658, AI248293, AI244322, AI041326, AI523748, AW839186, AW581346, AI373139, AI798651, T23945, AW839188, AA302578, AW581350, AW958014, AW958010, AW023038, BF825476, AA678059, AL524399, AC009309, and AC009309.
HPVAF86	1981	750951	1 - 1222	15 - 1236	AP001203.
HPWAH55	1982	866478	1 - 2057	15 - 2071	AL390738, AL390738, AL390738, AL390738, AL136439, and AL136439.
HPWAO89	1983	732157	1 - 1453	15 - 1467	AA703048, AA009653, AA009654, AI863675, H54572, BF904378, H54682, AI383976, BF758503, BF904379, AW020397, BE393551, AW411235, AW411351, BF911554, BE877142, AW411265, AA127565, AI334895, AA100772, AW410902, AV697880, AA806534, BF815930, AW411043, T28421, BG104240, BF669663, AI348870, AA853213, BG107454, AA853539, AW951618, AA420722, AW021717, AV706532, AV654326, AI307446, AA420758, AW265004, N22276, AV702385, AW238688, AW409775, AW410969, BF858085, BF204969, BF797330, BF089692, AW952183, BF812426, AL035652, E12579, AF038440, S78453, AR072149, A18777, AR068753, S77771, AR068751, A91160, Y11254, AF065135, A76337, A76335, I92592, S68736, AB022159, AK000212, AK026924, A47357, AF217994, A18788, AL137471, I89934, I89944, AB047613, AF230904, AR075041, S71381, AB047615, AL161953, AR072729, AK026659, AR030544, AL050208, I80064, A93016, AK026870, AL137554, X96540, A23630, AK025889, AK026353, AF159615,

FOI b7D b7C b7E b7F

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HPWAS27	1984	536008	1 - 1187	15 - 1201	AA570351, T79925, H09325, T87451, W79649, AW968156, AA469441, BG029528, T87918, AI890794, AL118925, AW438907, AC006361, AF086391, AL117382, AL122023, AC008569, AP000077, Z73417, AC009145, AC004525, AC011449, AC073898, AL035587, AC011484, AL121652, AL031589, AL162615, AL121928, AL359763, AC008155, AL445490, AC007688, AL160231, AL049776, AC002994, AC005839, AL136137, AC025435, AC022407, AC020904, AC007057, AC000353, AC005484, AC008747, AF190464, AL121825, AL133229, AC020898, AL109797, AC004699, AL356299, AL031295, AC005578, AL110114, U52111, AC005206, U91321, Z93015, AF207550, AC004007, AL096700, AC004089, AC005104, AC011475, AC004841, AL137162, AC005667, AP001711, AC005488, AC008752, AL357519, AC021999, AC004876, AC002073, AL049744, AC005102, AC003663, AC003101, AC004253, AC006038, AL135905, AL031670, AC011462, AC004166, AC005081, AC007014, AL132653, AP000030, AL050321, AL121900, AL031723, AC003950, AC005098, AC004832, AC006011, AJ277546, AL133215, AC011490, AC024561, AC004787, AC005969, AL022320, AF213884, AC009953, AL033520, Z84466, AB020863, AC008745, AC006449, AP000501, AC004890, AC011548, AC004924, AP000045, AC007956, AC004491, AP001718, AC016995, AC005368, AC006120, AC005911, AC025594, AC016395, AC007406, AC002310, AP000113, AC006948, AL121653, AL049692, AP001716, AL158830, U52112, AC005800, AL031286, AL109623, AC007055, Z93241, AC004000, AP001746, AF111168, AL034420, AC008551, AC020629, AL163194, U63721, AL022165, AC020916, AC007193, AC006487, AC010150, AL050318, AC008474, AC005702, AC011742, AC011479, AL117354, AC010422, AC003982, AC018755, AL050349, AC005409, AP001752, AL034405, AC005015, AP001053, AC008536, AP000212, AP002361, AP002361, AC006361, and AC006361.
HPWAT86	1985	747520	1 - 603	15 - 617	AI126447, AC026424, AC008488, AC008488, AC010245, AC010245, AC008587, AC008587, and AC008587.
HPWAV82	1986	830084	1 - 623	15 - 637	AA481447, N53395, AA461618, AW089082, AI911567, AI301106, BF115945, BF115818, AI656899, AI302288, AA838753, BG110768, BE159539, AA302978, BG003443, BF804385,

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HPWBA36	1987	840380	1 - 1596	15 - 1610	AI625791, AI805363, BF904807, AI733856, AW088049, F23327, AI284583, AA176605, AW148792, AW270258, AI679713, AL354720, AC011811, AC008569, AC004797, AC006318, AL121658, AC006430, AL034417, AC018641, AC004996, AC004166, AL008582, AL035458, AC004686, AL136300, AL080243, AL031295, AC002544, AJ295844, AB023049, AC005488, AC005089, AP000505, AC005081, AL122015, AC002059, U80017, AL354864, AL049776, AC004596, AF196969, AC005098, AL355499, AL157838, AC004867, AC005523, AC005330, AL049840, AC003663, AF053356, AC008752, AC011449, AP001441, AL096791, AC006153, AL135744, AC007688, AC020904, Z83822, AC010422, AL137100, AC006329, AC018639, AL034420, AP001725, AC005399, AC004859, AL136170, Z99716, AC005914, AC020916, AC008012, AP001717, U91326, AC024571, AC007384, AP000692, AF168787, AL050402, AF129756, AP000032, AL138717, AC004854, AL109930, AP000142, AC005288, AC011475, AC005562, AC007845, AC010142, AL157877, AL035587, AC000120, AL121825, AC011895, AC005209, AL022320, AC008925, AC004972, D87675, AL133163, AC005037, AL008730, AL133232, AL139099, AC006121, AP000269, AL355799, AC006449, AC073316, L44140, AL109797, AC008760, AC005015, AC007731, AL022302, AC006441, Z81364, AC009087, AC005409, AP000090, AL121751, AC020913, Z98946, AC000353, AP001706, AP001714, AC004884, AC005500, AP000103, AC008764, AC005520, AL035071, AC010162, AC010162, AC010162, AC010158, AC010158, and AC010158.
HPWTF23	1988	843700	1 - 1994	15 - 2008	AL519322, AL519321, AL528621, AL525472, AV708533, AV707483, BG117131,

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HPWTF23	1989	844775	1 - 1994	15 - 2008	AL519322, AL519321, AL528621, AL525472, AV708533, AV707483, BG117131, AV701688, AW954252, AV701690, AL525317, BF968790, AV709370, AV707363, AV657517, AI635895, AL036882, AW857209, AL036883, AV707606, BF128575, BG121441, BE295239, AW392020, BF311431, AV762694, AV706829, AA523541, BE073173, BE295817, BF514386, BE675214, AI949219, AW262884, BE858056, BG055038, BG249916, BG037033, AW371034, AI674706, AI708919, AV715587, AA535070, AA679292, AW022838, N50052, BE830095, AU148045, BE870349, BE349624, BE350028, BF837239, AA147899, BF845844, AW073776, AU147814, BF725674, AI368808, AI927857, AI342463, AV701888, AI140105, AA487093, AV750709, BE858057, AW190710, AA147844, AI096573, AA716187, AA722314, AI862165, W63717, AW262935, AA906753, AL525667, AV748474, AI269618, AI760874, AI074133, AA662310, AI924825, AI309724, AW468063, AA613662, W76557, AI089512, AI984192, AI707646, AA459957, AI624320, BE164613, BF967589, AW029309, AI640395, AI128327, AW176265, AW167854, AA040063, W46859, AI570042, AA618091, AI144525, AA010681, AI379204, AA460046, AA862301, AA599534, AV743247, BE138816, AV650781, W67232, AA971998, AI310729, N62277, AI597921, AI978845, AI671691, AI766634, W72563, AW316882, AI570060, AA135362, R52727, AW468339, AA516433, AW276147, AI800083, AI572626, AI272092, AI368167, N50029, AI865786, AI708598, AW316956, BE063387, AW007919, BF725145, AV650618, AV661271, T63404, AW243982, AA394163, AA431390, AV739478, AA018926, N47564, AV736149, AI480119,

					AW263269, AI039111, AV650298, W60279, AA765950, AA775091, AV741361, AI672788, W92333, AI913079, AA602156, AA010680, AI312732, W58299, AI718214, AV744886, AI865478, W46821, AW338299, AA115222, AA026509, AA833692, T65926, BE676820, AW629236, AV760664, AV744890, AW512231, AI272268, T79429, AI420676, AI933008, AI720397, H44638, AI699112, W58190, AA318908, BE160746, AA576196, T60058, AA318968, AA335541, AA507838, AL038891, BE244391, AI567253, T33201, AI422399, BE242438, F28371, W92390, T27118, AV660511, AI198237, AA279281, T32253, AA987730, AI521033, AI582582, AA137239, W65468, H26544, AA115157, AI377668, BE245885, AA953911, BE241874, AI587551, R22214, AI918377, AW779069, AA953835, AV760987, T79517, AW263932, W65469, AI524412, BE241477, AI955974, AW023746, BE160914, AV746796, AI216726, BE831539, AI184048, AI598049, AA148643, AI246336, AI538030, W46870, T60102, BE179366, AI224380, F09314, AW663101, T63029, AA043646, AA302796, T65354, BE243054, BE063421, T30199, AY007119, AF183393, A83709, AB025432, AF153603, AL110191, AB025431, A82788, AF201288, AF201289, AF201287, Z50781, T63278, T64499, R22268, R34893, R49280, R49280, H43597, R86094, N47563, N54684, N54707, N77565, W60371, W67342, AA019007, AA148642, AA190663, AA464495, AA464496, AA427718, AA429282, AA244422, AA244455, AA551457, D79925, N85667, C20552, AA652629, AA652778, AA292345, AA293158, AA293176, AA292756, AA432382, AA835434, AA909440, T24090, D45452, F11656, F11926, and F09572.
HPWTF53	1990	844737	1 - 2176	15 - 2190	AI215674, BE550233, AI202445, AW470728, AI701531, AL535988, AW137589, AI417175, BE619312, AW371109, AA320008, AW866867, AA491284, AA028127, AA845804, BE164570, AA613227, AA346458, AI014361, AI696793, AI003611, AC004106, AC008536, AC008812, D49677, U51224, D49676, AC008892, AL133551, AC003029, AL049759, AC008403, AC002563, AC018758, AC001231, AC002565, AC020744, AL391097, AC008745, AC002287, AC005913, AL163249, AC006080, AC005859, AC004526, AL022163, AL137064, AC004765, AC006483, AC003101, AF124730, AC005746, AL392084, AC007919, AL355392, AC002133, AC004485, Z82194, AP001732, AC007386, AP001037, AP001709, Y10196, AC007216, AP001697, AC010618, AL390023, AJ251973, AP001687, AC002558,

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HPXAB56	1991	638157	1 - 226	15 - 240	
HPZAB75	1992	842154	1 - 672	15 - 686	AI074460, AW975297, AU152547, AA659886, AI673277, F37336, BE856979, W81463, AI951472, W92273, AV711418, W92347, AA011335, AW020100, AW991390, AW373252, AA010728, W81493, F27270, AW577306, AK001586, AL358977, AL358977, and AL358977.
HRAAB26	1993	693244	1 - 1947	15 - 1961	BF842972, AP000096, AP000240, AP001705, AP000096, AP000096, AP000200, and AP000200.
HRAAC36	1994	798104	1 - 2633	15 - 2647	BF754415, AI017882, BF753649, BF753672, BE677425, AW516510, BF928228, AL137162, AP001717, AL033529, AL133332, AC004707, AC004890, AC002425, AP000045, AP000113, AC002312, AC025470, AC006581, AC003070, AC007679, AC027319, AC004834, AP001759, AC010412, Z84487, AC004653, AC008569, AC009399, AC010285, AL049762, AC005736, Z85987, AC007565, AC005952, AC005291, AC007563, AL355385, AC007773, AL121890, AL049636, AL355392, AC004646, AC005482, AC005722, AC008551, Z85986, AL031311, AC009073, AP000300, AC010605, AL050307, AC005538, AC004134, AC005102, AL031597, AC008474, AC005288, AC006038, AL034550, AL049709, AC005875, AL009031, AC007371, AF003626, AC004965, AC002326, AL117333, AL139150, and AL022326.
HRAAF59	1995	847086	1 - 1506	15 - 1520	N30291, AI537020, BF854180, AI345394, AI679774, AA053463, AI654738, AA397821, AW468003, U95737, AF168787, AP001713, AP000034, AC004003, AF117829, AL050307, AC005015, Z82178, AC006316, AC005488, AC004771, AC006014, AC008641, AC005233, AC005932, AP001698, AF001550, AC007362, AC004859, Z85987, AC005067, AC004813, AC009228, AC006115, AC008812, AL135901, AC011475, AC008616, AL353804, AL137159, AL159168, AC004099, AP000511, AF225898, AL162724, AC004765, AL132653, AL450224, AC008044, AL121899, AC009116, AC020552, AL109827, AC006480, AC009086, AC005014, AC005476, AC006329, AL109965, AL096791, AC005291, AL035427, AC004826, AC006509, AC005520, AL137039, AC004706, AF111168, AC009247, AL022320, AL356575, AC005102, AL049780, AL132987, AF243527, AL139099, AC002550, AC005082,

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HRAAG89	1996	621271	1 - 580	15 - 594	AW298121, AI671730, BF939310, AI125492, AA824313, AI693007, AI684764, AI379854, AI419836, AW070876, AA665983, AA777811, AI272720, AW516973, AI369047, AI347852, AI301020, AI022624, AI684754, AI702084, AA582422, AA954968, AW628874, AA989429, AA775688, AA665932, AW044356, D79829, D62776, AW511730, AI698551, AW181996, AA976166, AW440071, D62719, BF767888, AI923301, W26688, AI538885, AI521560, AI888661, AL515375, BG252929, AI866573, AL042944, AI539771, AI537677, AI284509, AI500659, AI801325, AI500523, AI284517, AI500706, AI445237, AI491776, AW151138, AI282249, AI500662, AI567971, AI633493, AI434256, AI866691, AI284513, AI433157, AW151132, AI888118, AI432644, BE883591, AI499915, AI889189, BE885490, AW151979, AI434255, AW151136, BE897632, AI494201, BF812963, AI804505, AI815239, AL042865, AI866465, BE886728, AI815232, AI538850, AI887775, AI582932, AI923989, AI590043, AI872423, BF811804, AI289791, AI926593, AL513947, AI285417, AI582912, AW172723, AI539800, BF811802, AI440263, AI889168, AI927233, AI866469, AI434242, AI805769, AI500714, AI285439, AI859991, AI436429, AI623736, AI889147, AI355779, AI581033, AI371228, AI491710, AI431307, AI440252, AI440238, AI866786, AI860003, AI610557, AI431316, AI242736, AI828574, AI539260, AI887499, AI539781, BF812438, AI702065, AI539707, AI805774, AI885949, AW089557, AI285419, AI559957, AI521571, AI469775, AI866581, AW074057, AI815150, AI567953, AI446495, BF663225, AI867068, AI952433, AI225248, AI698352, AI371229, BG029667, AI554821, AI561170, AI440260, AW151974,

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HRAAO40	1997	664500	1 - 919	15 - 933	BF764063, BE503220, AA015756, AA019917, AA058771, AA452657, AA015781, AL049539, AC005387, AL136223, AC006115, AL359704, AC046176, AC046176, AC046176, AC018607, AC018607, and AC018607.
HRAAZ12	1998	834637	1 - 4547	15 - 4561	AI819729, BF112082, BE856756, BE856768, AA127691, AI760642, AA099129, BE218878, AW297737, N47688, AA057388, AW473131, AI191464, AI831261, AW881091, AA683489, BE549811, AA702145, AW298292, BF111985, AA047104, AA034447, AW008471, AI478485, AI143087, W72221, N90777, AI797608, BE644689, N54402, AI150714, AI934906, H99253, AA057640, AW029384, AW085755, AW880832, AI241539, AI394589, N29046, AI139365, BF059616, N46649, AI363151, N79568, W19201, AI818035, N20176, AI480190, AA703696, BF918682, W92085, H29681, AA234942, AI023775, AI984281, BE218527, N20668, AA644365, W77965, AA418398, N31777, N26125, AI090568, N33546, N53300, AI752094, N31684, AA047241, AA418495, AI283701, N24184, AW886108, AI360042, AA057680, BE833906, AW369652, AI277679, N30533, N29077, R99592, W16605, R19850, N20808,

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HRABA19	1999	621384	1 - 1128	15 - 1142	<p>AI149779, AA983913, AI284077, AC018718, and AC018718.</p>
HRABP28	2000	823344	1 - 1303	15 - 1317	<p>AA501609, T83285, T90751, T90742, T83292, AC011497, AC010092, AC020552, AC003665, AC020916, AP001748, AC011811, AP001630, AF053356, AL137139, AL035249, AC005086, AL132639, AL353653, Z98304, AC006329, AC007226, AC005067, AL022476, AC008738, AL121751, AC004491, AE000661, AL391122, AC006241, AL050349, AC003047, AC008521, Z97054, U95740, AL139390, AL031678, AC008745, AC009405,</p>

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HRABU56	2001	621381	1 - 406	15 - 420	BF510431, AA523313, BE817051, R64716, AW072691, AW971745, AF023259, AR080280, and AB026436.
HRABZ80	2002	562230	1 - 1492	15 - 1506	W86757, W87328, AA577577, T88977, AA342711, AC018927, and AL121653.
HRACB01	2003	637647	1 - 1410	15 - 1424	AA002179, N87836, AA001215, AA493226, AL109753, AL121761, AC005529, AC020913, AP000045, AC002565, AC020908, AC008474, AC002073, Z95115, AC008066, AP001717, AC006117, AL034380, AC004887, AC006261, AB023050, AP000512, U91321, AC005519, AL022336, AC007220, AC005522, AC004953, AC004587, AC011811, AC058791, Z99128, AL442166, AL008719, AC005013, AC009247, AC004651, AL109976, AC005071, AL163284, Z84469, AC002115, AC005000, AC003684, AL109797, AC007394, X99832, AP001748, AC027319, AP001631, AC002300, AC006457, AC004531, AC005972, AL035406, AL022316, AL391684, AC020917, AL158167, Z84484, AP000346, AC005081, AL031276, AC005840, AL445705, AL159997, AC004771, AL450224, Z85986, AL023553, AC005089, AL008721, AL365505, AL450226, AF064861, AC012039, AL137039, AC003101, AL109984, AC011465, AL136131, AC005279, AC087094, AC008521, AL353653, AC008050, AC007664, AC002425, AL031427, AF002223, AC005482, AB003151, AC008155, AC002350, AL020997, AC005056, AL023803, AL161445, AL034429, AC004967, AC004841, AC000381, AC010618, AP001670, AC010358, AC011529, AC006211, AP001716, AP001728, AC011895, AC009731, AC007934, AC068499, AC005694, AL109753, AL109753, and AL109753.
HRACI39	2004	840461	1 - 1334	15 - 1348	N27657, AC002544, U91326, AL133499, AP001711, AL033378, AL034549, Z93023, AL050321, AP000030, AC011489, AC002425, AC010494, AL109936, AC018738, AC004491, AL121656, AC005899, AC018764, AP001579, AL163301, AC004832, AL021977, AC011933, and AC011933.
HRADU15	2005	801926	1 - 835	15 - 849	AA149540, BG034847, AA151953, AA164803, AA164802, AL042753, AL138455, AL042853, AL037683, AA587604, AA508359, AI334443, AW245747, BF810879, AI284640, AV763971, BG249643, BF725315, AA679532, AI799642, BF337291, BF347791, BE253048, BF347740, AV759518, AV762098, AW303196, BF676981, AW419262, AA584167, AW301350, AI133297, AW518220, AV762645, BF677892, BF882286, BE787152, BG060148, AV761631, BE297262,

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HRDAH04	2006	651356	1 - 1505	15 - 1519	T88852, AL109965, AC004491, AP000211, AP000133, AC008555, AP001711, AL136147, AL096791, AC005996, and AL109965.
HRDBA20	2007	637709	1 - 1278	15 - 1292	AA847029, AV762633, AW504485, BF681619, AV762741, AW438542, AV761714, AA402129, AV759557, AV761862, AA634837, AI821714, AI792133, AI791913, AW819125, AV710482, AW468372, BF839844, AV758903, AV711465, BF965290, BF891585, AL042373, BE138594, AV760918, BG236628, AW500029, AW327804, AI821785, BF934628, AA191418, AW976024, AA630672, BF725884, AA455483, AA574442, AW963904, BF677892, AI908575, AV762982, AA084766, AI867058, BG059314, AW504224, BF675251, AW148507, AA715814, AA749235, AA579179, BG029528, BE147833, AL135357, AV755512, BF915247, AL079734, BF984807, AA533176, AU152561, AI040051, AW270256, AI369580, AW021917, BF968880, BF681607, AA633920, AI354423, BF915722, AV758097, AL079645, BF915628, AV711430, AA610509, AA133928, AW190505, AW970877, BF916934, AI267269, AW502688, AW303196, AW845366, AW805539, AL040054, AW302909, AA584489, AA603530, AI357823, AW409710, AW237905, AI754037, BG029224, AA226584, AW301350, BF965775, BF750422, AV730824, AI753113, AV762033, AW274349, AW575000, AV763026, AV763058, AI587583, AV758790, AA167055, BE909125, AW970896, AI587565, AA833875, AW955693, AA833896, BF678990, AI267356, AW963117, AI267450, AI923052, BE019467, AV740009, AW872676, BF769368, AI865905, AI275982, AV761519, BF760919, AL042756, AI859946, AA410788, BF526831, AA582554, AW419262, BF725844, BE294700, H05940, BF347791, BF347740, BE143634, AI188390, AW872575, AW805547, BF541258, AW502796, AI696962, AW974932, AI537020, BF974756, AI733856, AW872736, H15652, AW500684, AW969928, AL120343, BG180976, AW410354, AA653139, AI306028, AA528546, AA457070, AA613627, BE968744, AA166835, AU118852, AL036665, AL118991, AI056177, BE063437, AA654321, AW263749, AW270619, F35374, AV713822, BE139146, AW103406, AI792575, AV702109, AI133029, AA583394, AW855803, AW327624, AI755214, AL031430, AC018684, AP001716, AL121656,

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HRDBD32	2008	637710	1 - 1278	15 - 1292	AA847029, AV762633, AW504485, BF681619, AV762741, AW438542, AV761714, AA402129, AV759557, AV761862, AA634837, AI821714, AI792133, AI791913, AW819125, AV710482, AW468372, BF839844, AV758903, AV711465, BF965290, BF891585, AL042373, BE138594, AV760918, BG236628, AW500029, AW327804, AI821785, BF934628, AA191418, AW976024, AA630672, BF725884, AA455483, AA574442, AW963904, BF677892, AI908575, AV762982, AA084766, AI867058, BG059314, AW504224, BF675251, AW148507, AA715814, AA749235, AA579179, BG029528, BE147833, AL135357, AV755512, BF915247, AL079734, BF984807, AA533176, AU152561, AI040051, AW270256, AI369580, AW021917, BF968880, BF681607, AA633920, AI354423, BF915722, AV758097, AL079645, BF915628, AV711430, AA610509, AA133928, AW190505, AW970877, BF916934, AI267269, AW502688, AW303196, AW845366, AW805539, AL040054, AW302909, AA584489, AA603530, AI357823, AW409710, AW237905, AI754037, BG029224, AA226584, AW301350, BF965775, BF750422, AV730824, AI753113, AV762033, AW274349, AW575000, AV763026, AV763058, AI587583, AV758790, AA167055, BE909125, AW970896, AI587565, AA833875, AW955693, AA833896, BF678990, AI267356, AW963117, AI267450, AI923052, BE019467, AV740009, AW872676, BF769368, AI865905, AI275982, AV761519, BF760919, AL042756, AI859946, AA410788, BF526831, AA582554, AW419262, BF725844, BE294700, H05940, BF347791, BF347740, BE143634, AI188390, AW872575, AW805547, BF541258, AW502796, AI696962, AW974932, AI537020, BF974756, AI733856, AW872736, H15652, AW500684, AW969928, AL120343, BG180976, AW410354, AA653139, AI306028, AA528546, AA457070, AA613627, BE968744, AA166835, AU118852,

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HRDBL01	2009	631169	1 - 921	15 - 935	AW073879, AV729153, AA361513, W45215, BE149998, AI915081, AI299192, AI921765, AV697659, AV700495, AA758244, AI421257, AW151201, AI962030, BE044754, AA683069, AW963663, AW082104, AL048479, AI932871, AI653776, BG236484, N45056, AI278130, BE676765, AI249688, AV711992, AA557911, BG028748, AW500684, AI679294, AI345334, BF983604, N30016, AW572721, BG059972, AI679871, AC011449, AC008050, U02052, AL049697, AD000813, AL391384, AC004447, AC007225, AL031055, AC004491, AP000553, AL133454, AC018751, AC005088, AC011718, AL034405, AC006111, AF168787, AC009116, AL031729, AC004883, AK023615, AC020904, AC011540, AL136532, AL096791, AC004867, AC011491, AC007981, AC023490, AP000556, AC009516, AC005746, AL121983, AL133448, AC005681, AC007055, AC005920, AP001630, AF111167, AC006441, AC011442, AC007536, AC007954, AL035659, AC010737, AC010102, AL157938, L40391, AL121825, AE000662, AP001716, AC004966, AL020997, Z85987, AL031680, AL353804, AC010283, AC002402, AC007051, M94081, Z98048, AP001063, AC007919, AL008718, AL133294, AL121751, AC016576, AC000134, AC005391, AF001550, AC009003, AL135905, AC023491, AC004254, AL121891, AC004531, AC001226, AL049780, AC006120, AL030996, AC005874, AF134471, AF134726, AC005098, AL353777, AC036103, AC005064, AC009365, AC005358, AL358777, AC010127, AP000552, AL049829, AC007263, AP000252, AP000503, AC002543, AC008569, AC006241, Z77852, AC005236, AC004938, AF045555, AC007151, AC007025, Z85996, AC008155, AC002511, AP000103, AC004983, AL137466, AC005780,

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HRDDM85	2010	799542	1 - 2166	15 - 2180	BF793477, BE250577, BE736918, BE616582, BE615376, AV731015, AV652861, BE563291, BE728115, BG032917, AU116940, BE386373, AV701925, BG250960, BF338817, BE883545, BF951636, BF871285, AV706319, BE531051, BE385152, AA577789, BF733347, AU120778, AV652798, BF673583, AL133895, AU139668, BF680445, BF874267, BE899007, BE620216, BF877837, BF943073, AA583363, AW893125, BE264980, AW962273, AA720812, AW899342, BF346135, BE379426, BF815608, AA456928, BF732306, AA180390, AA487214, AA487598, AA418919, N23657, AA808950, BF803637, AA584606, BE898175, T63786, AA649067, AA179694, BF217767, AA584599, AI132952, N23646, AI761174, AA503299, AI568660, BE167158, AA663257, BF883829, AI926740, AI832080, AU121535, BF871283, AA713998, BE153395, T57474, AA774117, AI002286, AA601152, AA309271, AA081957, AA225638, BF203663, AI940708, AW957880, AW957801, AW962826, T57745, AU136531, AA584589, AA524729, AA307661, AA593381, AA669412, BE061899, BE154390, AA947031, AA826146, AA584914, BF763241, BF882363, AA630813, BF982391, AI380547, N62150, AA583368, AW872342, BF957961, BE384186, BF218444, AI133602, BE792178, BF871286, AU120741, BF869076, AA631405, AW845678, AW845664, AA632760, BF207674, AA715194, AL119962, AA076475, AA418822, BF773043, AA534739, AV732690, AA434462, AV730296, BF763870, BF962070, H02956, AA243106, BE304382, AA779025, T47541, BF997714, AA489803, AV749263, AA180023, AW023095, AA833581, BG009679, AW276742, AA703315, BF929662, AV742189, AA593077, H92806, BE141836, BE790104, AA505043, BF001825,

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HRDDS22	2011	702017	1 - 934	15 - 948	AF034176, W72199, AI808083, AA187630, AV695002, AA632023, AW859847, AV691460, AL535709, AW044645, BF924223, AW859826, W72477, AA135516, AI678114, AA837470, AA046437, AA186762, BE736745, AA740274, AW877160, AW798072, AI814313, BE675222, AI092946, AI079802, AW503275, AA993305, BG058509, AW576349, N44640, AW859792, AA564840, AA557149, AV694874, AI016247, AA644672, AV724433, AW009885, AA495787, AA135517, AV709260, N33069, AA186896, BE070377, AA860920, AI684719, AW674738, AV725751, AW821815, AA035212, R55053, AI091106, AI557625, AA495722, AW877156, H05713, AA969843, N20821, AI360968, AI276598, AA767501, BE350044, AA350742, N24078, AI804181, T79645, AA493997, AW631152, AI274970, BE773883, BF243163, AI141120, W95628, W73186, BE811797, AI799147, AI888598, BE773707, BE773698, BE773758, BE773944, AA219076, BE773701, BE773913, BE811856, BE773744, BE773942, BE773925, W69401,

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HRDEJ86	2012	695755	1 - 830	15 - 844	<p>AW963646, BG178356, BE888885, AI809104, BE562906, AU145321, AA176819, BF685535, AA576735, AA001182, AA046415, AA018817, AA057447, AA046899, N23371, AA001453, BE208812, AA121773, BE208816, BE179902, F34737, H85816, AA121772, AA001126, AW276968, AI888597, AA524923, AI061107, AI565577, AW302351, BF806322, AI292278, AW089384, H80806, AA001487, AA302665, AA653931, AA017232, AW959479, BG223389, AA001077, H85353, F27260, H80807, AA524939, AA018818, AA663279, AA999825, AW511754, AA514937, H30569, AW959477, F37099, AW021105, BF725100, AI440430, AA601376, AA595661, AA372899,</p>

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HRDEQ34	2013	825181	1 - 594	15 - 608	AW895535.
HRDFE30	2014	750872	1 - 1581	15 - 1595	BE740654, AL524750, AI819783, BE889956, AW264290, AI479110, BF792776, BF307289, AW514956, AW967273, AI820015, AL524749, AW368510, AA191749, AW316901, AI808941, AI384030, BF038951, BG107895, AW170109, BE163534, BE163526, AA938656, AW139895, BE044338, AW853618, AI808513, BF055143, AI904239, AA130423, AW368582, AW578474, AW853616, AW361238, AW241869, BE764126, AI375586, AA460568, AA587776, AI942424, BF229833, N91638, W89166, W90016, BE315494, AI239753, AI026637, AI193740, AA648739, W65456, AW967272, AI334072, AI346146, AA133739, AA130422, AI688742, R51340, AA993110, W89165, F18986, AA765794, W88489, AI581628, AW175609, W65457, AI349396, M79034, AA621360, N68745,

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HRDFT83	2015	606799	1 - 939	15 - 953	AA702946, AI660840, AA553608, BE349908, R01073, AW976010, AL038705, AW965008, AV710705, AF074667, BF680639, R00774, AW970915, AW510513, AL045053, AL135377, AL120008, AU156861, AI445582, AV764241, AI499134, AA587256, AV759505, AW953071, AV725627, AW769399, AA577906, AI289067, BF677892, N48230, AA610491, AW238278, BF668217, AA490183, AA287618, F28204, AA846876, AI471543, AV760937, AV704536, AI284640, AA610493, AI685198, AU158906, AA525190, AA581903, AI133164, AA837740, AI972203, AW069769, AA525824, AV733139, AI963720, AU140493, AA523815, AI374809, AA722198, AV763354, AW008212, AV759873, BG249643, AA522942, AI334443, AW969629, AV763540, AF330238, BF792870, AV710066, AI270117, AW974109, AA483223, AV728425, AW872676, AA623002, BG109162, AW500125, AV760777, AA470969, AI754955, BF942454, AV752689, AW833862, AI431303, BG236735, AV759172, AV762098, AW504168, AW102955, AW473163, AL136304, AL050312, AC008745, AL161670, Z84469, AL121601, AC027319, AC009228, AL049709, AC004971, AC005412, AC010789, AC005899, AL109965, AL022316, AC006312, AL121751, AC008569, AC007227, AL121903, AC005747, AL109935, AC005695, AL158830, AC006026, AL096701, AC002400, AC002347, AP000512, AF168787, AC007404, AC005180, AL135744, AC008747, AC005839, AC020898, AL163279, AC005940, AC005914, AL122001, AC006329, AL022323, AL035587, AL031597, AJ277546, AL031666, AC008474, AC003007, AC007845, AL354720, AL135927, Y18000, AC009314, AF053356, AC005089, AC008736, AC005295, AP001725, AL022322, AC005694, AC004867, AF317635, AC011811, AC005808, AC008543, AC002312, AP000692, AC002059, AC000379, AL117382, AC004878, AC020947, AC005913, D87675, AC005231, AC007666, AF129756,

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FOI b6 b7C b7D

HRGCA01	2016	589970	1 - 1306	15 - 1320	AP002813. AU146570, AI354333, T74524, BF804385, BG222813, AA601674, AU120531, BF737356, AA683069, AI275982, AA564582, AI090334, AK001118, Z97054, Z98742, AL136979, AL117354, AL159977, AL158040, AC006160, AL121658, AC005522, Z93023, AC020904, AC005288, AL008582, AF001549, AF050154, AP000692, AC007686, AC008403, AP001725, AP001711, AC007055, AJ400877, AJ246003, AL050318, AF053356, AP001718, AC005236, AC006330, AL031727, AC008044, AC004253, AC002369, AL109797, AC002312, U91323, AC007225, AC004967, AC005377, AL359457, AC004089, AL353807, AC027644, AC004382, AC008745, Z84466, AC020908, AL139286, AC006270, AC005520, AC005015, AC005740, AL139353, AC008738, AC010605, AL138878, AP000553, AL034549, AC011895, AL137162, AL136137, AC007283, AC024075, AC010463, AC002565, AC002563, AL031685, AL121586, AL133163, AC005399, Z95115, U95742, AC012467, AL031848, AL050335, AC020552, AC024082, AC005089, AC006141, AC004832, AC005086, AC003101, AC020913, AC008551, AL049843, AC004531, AC006241, AC011449, AC005527, AC004851, AL121652, AF109907, AC004859, AC005914, AC002472, AL137073, AC007216, AC006101, AJ251973, AF134726, AL117377, AL135839, AC004840, AC000379, AC004812, AL354696, AC021016, AC006994, AL162430, AC005730, AC007664, AL158830, AC010618, AL138756, AP001752, AL020995, AL021939, AL078581, AC009060, Z86090, AC019227, AL031591, U07563, AC002985, AL138725, AJ277546, AC005756, AC005971, AC008474, Z98044, AC004890, AL391684, AC018720, AC024561, AC004906, AC020898, AC004922, AF168787, AC003684, AL157877, Z84469, AC011510, AC004685, AC006441, AL031985, AC008521, AC009247, AL031846, AC004000, AL365505, AC020754, U91322, AP000311, AP000501, AC007773, AC020663, AC005859, AL096791, AC034242, AC007011, AC002477, AC006050, AC005231, AF047825, AC004985, Z93930, AL138743, AC011465, L78810, AC011529, AL135744, AL162584, AL049776, AL031311, AL050349, AC005778, AC011450, AL132777, AC008392, AL021155, AC021999, AF111167, AL109798, AP001726, AC004491, AC005280, Z98941, AC007878, AC002119, AL049757, AP001721, AC005088, AC010458, AL133153, AC005225, AC027319, AC004797,
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HRGCA06	2017	866189	1 - 603	15 - 617	AL524616, AL528112, AL529957, BE906467, BE254869, BF305998, BE547623, AL524304, BE735269, BG256136, AW969159, AW958040, BE295543, BF036782, BE279204, BE280572, BE560806, AA305994, AW167722, BE890254, BE739714, BE738933, AW007356, AA476892, AW027127, AI824120, AA454648, AA452894, AW327910, AI298323, AI291448, AA410232, AA456261, AI097459, AI744633, AA557370, BE559628, AI262770, AA427423, AI080653, BF698372, AI565515, AA927500, BF382283, AA993730, AA253110, AA255668, AA729412, AA436327, AA577203, BE267756, AA757135, BG249869, AA625144, AA887401, AA253054, BF573571, AA315714, AW733053, T51233, AI383224, AA182790, AA521326, BE259938, AA303813, AA721094, AA769231, AA187782, AI653569, AI591350, AA815100, AA521408, AI887494, AI934694, AI251857, AA721013, BF687699, T51347, AA804324, AI567862, BE892567, BE813395, AA453063, AI214637, BE897194, BE695254, BE711434, AA470459, AA583285, BE927495, BE695320, BE695294, AA581180, AF151890, AK025715, AL136532, AC010102, AC068557, AC068557, AC068557, AC016394, and AC016394.
HRGSE38	2018	898233	1 - 522	15 - 536	BF973051, BG036978, BF971699, AI813831, BE395342, BF237544, BF237818, AA927369, BE786397, BF683480, AA147836, AW327927, BE256127, AA779833, BE392981, BF973936, AI038560, AI720024, AI340193, W86492, AI217899, AI457563, AA722532, AI720741, AI095384, AV702271, AA252800, AI452498, BE279835, AA315596, AA146630, W74685, AI360383, AI470090, AA494403, BE895081, F25095, BG026493, AI146343, AA603343, AI086888, BE268236, AA934037, BF684523, W74782, AA448874, AW160924, AA180220, AL531481, F28006, BF431779, F34141, AA937123, W45522, AI741309, F33054, AA886650, AA865938, AA194367, AA180122, F30644, F27508, AA143638, AA772707, AW020669, AA194452, F31569, F19516, AA147873, W45535, F27449, AA304732, H46362, BF107554, T69273, AA443703, AA557135, AA305575, F35403, F26198, AW194204, AW162531, AA809527, AI251897, AW769872, AW080150, BF054691, AW517403, AA380255, AA844460, F29747,

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HRLAT43	2019	795038	1 - 437	15 - 451	AL036330, BF879678, BE891913, T47587, AA524883, BF927634, AV758348, AL139810, AC004553, AC005062, AL050349, AC011504, AB026898, AC002476, AP000499, AC002430, AC007384, AL109963, AC009305, AF003627, AL358372, AL133217, AC002504, AL161892, Z98256, AC008760, AP002027, AL138783, AC022163, AL390039, AL139123, AL136985, AL139232, AC019172, AC025765, AC013410, AC005014, AL139093, AL133412, AC003695, AC004874, AP001960, AC022363, AC004626, AL356454, AC007556, AC020939, AL035091, AL135785, AC005737, AC007077, AL109623, AC003085, AL163213, AC006368, Z98742, AL133500, AL034375, AL136298, AL121575, AC002527, AF015720, AL078582, AC007129, AL022165, AC005497, AL078639, AJ229041, AC005939, and AL109753.
HRLME03	2020	610614	1 - 258	15 - 272	AL139113.
HROAN20	2021	732148	1 - 1332	15 - 1346	AA554736, AC068086, AC068086, AC012443, and AC012443.
HROAP64	2022	835467	1 - 624	15 - 638	AW949645, AV724520, AW975618, AV718489, AW978634, AW966531, AV718692, D58283, AV699550, D81030,

				<p> AW975621, AV718844, AV723927, AW959628, D80022, D59619, D80210, D80240, AV719783, AV720464, AV720211, D80195, AW966053, D80391, AV719822, D80219, AV720203, D51423, D80043, D80212, D51799, AV719324, D80253, AV718800, D80227, AW966062, D80196, AV718770, AW959570, D80193, AV720731, AW949642, AV699447, AV722801, AW949641, AW949632, AV699927, D80188, D59927, AW949656, AW949643, D80038, C14429, D59275, AV721386, AV719468, AV719188, AW965158, AW949629, AV719557, AW949657, AW960553, AW973447, D80366, D80166, AW949631, AV720812, D59889, AV723097, AW949653, AW949646, AW949658, AW973307, AW949633, AV700889, F13647, C75259, D80045, AV720028, AV742001, C15076, D50995, T03269, AW959582, D80378, AW966534, D59859, AV718440, AW966054, D80269, C14014, AW965177, AV742667, AV701125, AV701335, AV701166, AV701043, AV701332, AV701017, AV701248, AV701431, AV700229, AW949618, D80168, AW966013, D81026, AV699479, AW964468, D59502, AV701419, AV701154, D80134, AV719628, AV645389, AV720654, AV681510, AV681491, AV645344, AW966041, AW959202, AV699746, AV645343, AV699669, AV701443, AW959597, AW949654, AW964737, AW966050, AW973541, AV720791, D80164, AV701130, AV701149, AW978661, AV701422, AW949655, AW966043, D50979, C14331, AW975605, D80024, D80268, AV701428, AW752082, D80949, D57483, D51250, AW960414, D59467, AV701415, AV701344, D59787, AV719000, AW973470, AV681529, AV745080, AV719049, AW960465, AW964488, AV701021, AW973485, AV681468, AV718633, AV721784, AV720220, AV742048, AV719913, AW965176, AV718931, C14227, AV700622, D58253, AV741220, D59610, AW964532, AW965197, AW959799, AW959469, AV699682, AV742430, AW978648, AV738340, AW965185, AW966022, AV645383, AV645393, AV681528, AV681474, AV645339, D81111, AV681472, AV681507, AV681465, AV681525, AV681495, AV681505, AV681504, AV681486, AV681464, AV681487, AV681506, AV681523, AW973334, D80241, AW965163, AV743601, AW964756, AW966029, AW966389, AV741189, AV701224, AV718530, AV701330, AV718707, C14389, AV718938, AW958992, AV720607, AV681514, AV681477, </p>
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					<p>AV681512, AV681526, AV681497, AV681483, AW966065, AV681531, AV741221, AV741012, AV742671, AW965184, AV681509, AV701004, AV681488, AV744773, AW958993, AW959136, AW959062, AW964477, AW956434, AW962245, AV718674, AV700895, AV681475, AV681502, AV681462, AV724977, AV744934, AW962082, AW966075, A62298, A62300, AX047063, A84916, AX047062, AX047064, AX033851, Y17188, AX027925, AR070327, X67155, AR018138, A67220, AX020191, AX020190, AX021518, A25909, AJ132110, AJ302649, D26022, D34614, A78862, AR092424, D89785, AR025207, AJ294956, AX035434, X68127, D88547, A82595, X82626, AF058696, AR088705, A85396, AR074141, AR066482, AB012117, AF260572, A85477, A86792, X93549, AR008278, AX042372, AR087649, AB028859, I19525, AX015396, AX028130, AF135125, AJ287395, A44171, Y17187, Y12724, AR074545, AR064240, AB037923, A94995, AR060385, AB002449, AR008443, AR071754, I50126, I50132, I50128, I50133, A30438, AR066488, AR016514, AR060138, A45456, A26615, AR052274, AX035429, AX014811, AX035428, AX035426, AR074139, Y09669, A43192, A43190, AR038669, AR066490, AR066487, AR074136, I14842, AR054175, AR016691, AR016690, U46128, I18367, S69292, D88507, AR008277, AR008281, D50010, AB033111, A63261, Z32749, I18371, X89963, AR008408, AR091537, A43601, AR062872, A70867, AR093385, S78798, D13509, A64136, A68321, AR060133, AR087528, I79511, U79457, U87247, X98248, AB023656, AF123263, AR037157, AR032065, AX006825, AX006826, AX006822, X93535, and AR008382.</p>
HROAS35	2023	827304	1 - 909	15 - 923	<p>AV702794, AV708704, AL048390, AV703501, AV703494, BE895614, AL525022, AL045499, AI557258, AL538129, AV702318, AV705637, AA172073, BE876496, AA572829, AA723026, AV653962, AA593688, AV713558, AV713159, AV704814, AA548245, AA581699, AV716470, BE877813, AV703819, AI133013, AA595314, AI285534, AA579760, AA101163, AA643294, AI147501, AA575830, AA548842, AA195996, AV660440, AA548197, AV706307, AA161487, AA526496, AI254237, AI114699, AA180754, BE877767, AA514972, AA583348, AA640938, AV658766, BE878121, AA180749, AV721152, AA551039, AV726177, AI565971, AV728391, BE877322, AA643267, AV727881,</p>

				AA129400, AV717612, BE880735, BE877173, AV711027, AA574324, AA490067, AA526831, AA652417, AI114569, AI133672, AL038791, AI566162, AI174754, AV703762, BE881359, AA578591, AV703858, AA582799, AV727396, AV710539, AV706748, AI174902, AI114553, AA489339, AV703638, AV708807, AV725294, AI204061, AA526985, AA738012, BE875419, AI280900, AV716989, AA639334, AV704468, AV654044, AV701584, AA420754, AA157713, AV655941, AA563780, AW081665, AA631499, AA113852, AA583266, AV727337, AI609232, BE880648, AL048346, AV706060, AI924816, AV724990, AA554729, AA156029, AA635321, AV705790, AA737196, AI582370, AI247188, AA194621, AA635966, AA565769, AA196384, AA196392, AV725311, AA180287, AA599168, AA635939, AA548398, BE880157, AA586605, AA614505, AW029484, AA178939, BE880425, BE890567, AA581810, AA505308, AI285364, AA593715, AI863904, AI174851, AA468945, AA576122, AV716025, BE873842, AA194297, BE880881, AV706023, AV716218, AA582965, AI749163, AV656283, AI273429, BE875905, AI814650, AA593712, AI262689, AI568985, AA594970, AA523120, AW170572, AA196541, AI111183, AL048325, AI819117, AI279442, BE878079, BE892902, AI357608, AA598446, BE875253, AI133286, AV729432, AI831212, AW188517, AI133302, AI719037, AV728492, AV729229, AV701468, AV701396, AV717787, AI830045, BE544698, AV712494, AV703758, AA575833, AV702695, AV755520, AV716388, AI816993, AV707520, AV703243, AI766340, AV715862, AV733902, AA174081, AV716396, AI133486, AL037681, BE879304, AV717046, AW027357, AV757061, AV757599, AV711343, BE881076, AW027020, AA555226, AV701133, AV723178, AV723041, AV716281, AV743794, AV713805, AI880363, AV705912, AV709305, AA826840, BE898002, AV710239, AA513495, AA605240, AA136140, AW130194, AA610666, AV727892, AV737163, AV723963, AA586675, AV752193, AA715811, AV654415, AV744199, AA648603, BE874846, AA541807, AV719453, AI720074, AA554861, AL036838, AA724902, AV715160, AV763516, AI922889, AV661912, AA631709, AV712308, BE877234, AR083056, I27367, L08441, X62996, AX039612, V00662, X93334, X54629, D38112, X84075, Y10129, D38116, X93335, D38113, D38114, X93347, AF004341, AL359334, Z79403, Z79419,
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					Z79459, AF134583, AJ252237, I07623, and U35430.
HROAY16	2024	827305	1 - 1943	15 - 1957	
HROBJ10	2025	836368	1 - 1856	15 - 1870	BE856787, AI694966, AA128046, AA770598, AW873980, AI937418, AI291859, AW051606, AA121289, AA121351, W00683, AA045398, BF437875, AI291638, AA121460, AW959500, AA121303, AW002283, AI291864, AA128005, AI961859, AI696330, AI370237, AA362775, BE670727, BE503005, AA045082, M85370, C01114, AW084694, W80423, N69016, W80551, AI473514, BF948027, AW188647, AA343822, AI468939, BF342651, BG031464, AW272567, BF969642, BF341277, BF530723, AW591885, BF527148, BF793732, AI497736, BE884585, AI270298, AL079657, AL135561, BF338590, BE328409, AW630466, BE049268, BE879696, AW630094, AI049736, BF448460, BE780774, AI568881, AW081940, BE887774, AI792230, BF345080, BF337710, AW630206, AI241840, Z93242, AF136587, and X76652.
HROBW46	2026	801952	1 - 1143	15 - 1157	AI888879, BF129846, AL109956, AC027690, AC027690, AL109956, and AL109956.
HRODG86	2027	834320	1 - 1070	15 - 1084	AW292678, and AC011657.
HRSAL26	2028	637654	1 - 161	15 - 175	AI282079, AW296105, AA507421, AC007556, AC007556, AC062019, and AC007737.
HRTAE88	2029	822964	1 - 2831	15 - 2845	AA372423, AW005840, AW248177, BF743200, AW962016, AA323982, AW935131, AW934795, D20856, BF927236, BF927355, AL158157, AL353810, U52077, AL031782, Z95124, AL022098, AC026881, AL096821, AC069277, AC024154, AC026179, AL139277, AC003081, AL356794, AC006249, AL132719, AL078594, AP001603, AP001698, AF205406, AF314060, AF104257, AF126403, AC011445, AJ009227, AJ009228, AJ009240, AJ009238, U80776, AF054989, AJ009232, AJ009231, AJ009239, AL445465, AC008638, AL353810, AC016003, and AL158157.
HRTAP63	2030	780698	1 - 2562	15 - 2576	AL530903, BF980210, AV713636, AV714538, BF795697, BG165908, BG034785, AW954212, AA476834, AA454040, BE787658, W87846, W95796, AV723163, AA210879, BG121323, AI140750, AA394298, BE544064, BF110177, BG260733, AW957532, AW835225, AV715167, AW043868, W95753, BE675523, AI830085, AV684273, BF669098, AW575257, AI719282, AW402599, AA594596, BF030937, AV751996, AA151651, BF439829, AI972457, AA203350, AW835231, AV698320, AW835223, BF195333, BF245739, AI458367, BF217997, AW103450, AV646999, AA443779, AI804705, AA779750, AA609993, AV646707, AI161426, AA883267, AV761220, AW105020, AI859827, N21490, AA769659, AI961457, AI963269, AV748401, AV702852,

					AA454948, BF477944, BE378300, BF507584, AA398140, AA829928, AA723665, AA152423, AI066682, C05924, AI342144, AI818909, AI949342, AW173168, H95180, AI150177, AI744274, AI373130, AI936317, BF131934, AW935736, AI373127, BF184877, AW848815, AI168246, AW630390, AA703773, AI809600, AI858227, AI620702, BF211545, AA453622, AW511827, BE550555, BF352641, AI811412, BF216016, AI149376, BF028661, AA777078, AA988774, AA825373, AA745603, AA447847, AI634257, AI148253, BE568959, AW474847, H50762, AW340117, AI148595, AA152318, AA455325, H18773, AA446817, AI983483, N70494, AI950667, AI367305, AA447696, AA165032, BF349702, AA595127, W37577, AI865137, W60533, H27027, AI088311, AA781728, BE244882, AA411860, AI380799, BF130302, AI927370, AA150348, AW876985, R96314, AV726405, AA729374, W32295, AA448492, AI453093, AW769995, W04863, AI263830, AA083837, AA133757, AV734814, H24217, BE564563, N99875, N77905, AA679441, AI352336, AI188487, AI432136, AA033645, AI266690, AI433965, AA877077, AA055324, W44808, H49413, AA411995, AA833544, AI300087, BE972332, AV682350, AA992809, AA814064, AA741027, AV702746, W32538, AA683291, AA621431, AA902136, AA214623, AV647110, AA663647, AA494354, BE245415, AW151578, AW150662, W60562, AA705000, AI950580, N27003, AA345942, H85708, AA133758, AI627657, AA224004, W37452, T80362, AA452695, AI146286, H49227, AW074691, BG142207, H47030, F25806, H85509, BE244420, C17218, H24204, AA480190, AV651579, AI272131, T80478, AI381311, W87586, W37696, H18682, H24218, AV647065, N29206, N28458, AW468405, BF081529, W44802, AA927134, AW821055, BF854323, AA083939, F35729, AA682763, R31829, AA148436, AA125918, H95144, BE246322, W44717, AW194993, AA729762, H50669, AA343940, BE244987, AA115539, R26021, N35260, H46491, AI902181, AI149536, R37220, AA325890, AF151885, AK025730, AF135161, AC007298, AF172940, AC022149, A74872, R26823, R38842, H88357, H88417, H88357, N40125, W05840, W25309, W32702, AA027857, AA027923, AA034476, AA115050, and AA151732.
HRTAR24	2031	601378	1 - 452	15 - 466	AA372942, and AC010768.
HSAAN03	2032	599334	1 - 1122	15 - 1136	AA373484, AW021917, AL135377, AW969667, AA714011, AA526326, AW970896, AW973757, AW243793, AA224889, AA569471, AC026431, AC010267, AL022311, AL121585,

					AC005081, AL024507, AC004797, AC002301, AC004859, AC005288, Z93015, AF111168, AL161757, AF207550, AC006071, AL136304, U95742, AL121751, AL050335, AC007216, AC008753, Z83844, AJ009611, AC007666, AC006930, AC005519, AC005399, AC006077, AC020663, AC005231, AL109827, AC007383, AC011465, AP001715, AL031659, AC010412, AF001549, AP001670, AC004975, AC009247, AF165926, AL109984, AC009509, AC007404, AC002544, AC006967, AD000092, AL050349, AC008745, AC005529, AL022316, AC005527, AC005000, AF275948, AC002996, AP000100, AC004815, AC000353, AP000263, AL031311, AL033529, AC005377, AC018755, AL023575, AP001748, AC004089, AL009181, AL160414, AL121898, AL034372, AL445687, AC005522, AC008784, AF045555, AC006101, AC005193, AC002300, AC006571, AC004491, AL035079, AC006254, AC011491, AL121890, AL031295, AL022315, AF129756, AC020916, AC005323, AC003043, AP001713, AC008764, AC010618, AC009079, AC003046, AL353701, AL133246, AC005088, AC010271, Z93930, AL118520, AC008752, AC007421, AC006441, AP001711, AC004158, AC005874, AF134471, AC005412, L47234, AC007954, AF205588, AC011489, AL135787, AL031597, AC005015, AL136418, AL358975, AC021016, AL121749, AC006457, AL096701, AE000658, AC007546, AC002477, AB023048, AL356575, AC004033, AL022476, AC005004, AC009228, AL121900, AP000134, AP000212, AC020914, AP000501, AL049795, AC004552, AC005484, AC005332, AC003982, AC004477, AL023807, AC005098, AC008155, AL109935, AF190464, AP001054, AF196779, AC027319, AP000963, AL132653, AC010422, AL031848, AP000045, AP000556, AC005387, AL022326, AC025588, AC011895, AL031291, AC007957, AP001330, AL050307, AC020904, AC004832, AL136300, AC008720, AF168787, AC005261, Z95114, AC006277, AL109804, AC008812, AF279339, AF279339, and AF279339.
HSAAS05	2033	703244	1 - 1486	15 - 1500	AI973088, AA662405, BG176754, AW821026, AA514547, T86264, AA373766, T86157, AW882958, AA978230, AA877061, AC010092, AC010092, AC010092, and AC010092.
HSAAW13	2034	821334	1 - 2370	15 - 2384	AW964200, AW964202, BF971240, AV652431, BE777798, AV726996, BG252275, BE893830, BG109604, BE568219, BE788721, BG260966, BF185719, AW663976, BG260885, BE884097, AI670875,

					BF669617, BF679056, AA984307, W91922, AA479129, W73272, AL079631, W72944, BE856478, AV654650, W60881, BF382687, AI380931, AI804661, AI275607, AW051332, AW088395, BF925097, AA578689, AI803729, AW195327, AV727482, AI400245, AI824185, AI024685, AI126637, AI138623, AW269360, N59855, AI148084, W92044, AA261827, AI244894, AV652594, AI446522, AI393616, AA847779, AV725689, AA262475, AI721041, AA594767, AA233676, BF687974, AV652529, AA704181, AA978077, N79954, M62032, AV652347, N64625, W91923, AI598074, N59848, AI244546, H25940, AV652310, AI084826, AL119587, AI040460, AA631241, AV652225, AI026891, BF951597, AA631862, AA261899, AI753061, N67397, AA262536, W68420, R53247, BE766443, AI767983, AI301340, C17483, W68518, R49220, F09375, R55197, AA875909, AA374005, AI587197, AI911548, BF094584, N80204, BF380143, T10840, BG001920, AA379106, AW366164, AW366165, BF997524, AW366173, AW807812, BF092361, AA628291, BF912642, BF094803, BF912639, R55194, AW366163, BF094896, BF084622, AA745275, BF094844, AA369138, AA648176, W60652, AW179278, T33364, AI205629, BF333388, W38494, BE929940, BG001903, AW361314, AI932778, AW179273, AI611234, AW366170, AA626586, AW835906, AI932836, AW835902, AA233564, AW835905, AW835900, AW385549, AW835897, AW835882, BE568200, AW835903, AA369137, N66765, AI352038, AW835894, BF928212, BE545995, R39068, BG001904, AW889591, BF336971, AW179269, AA767150, BE789104, AF056490, AL109778, AL109687, AC012064, AR025390, AL109789, AF079529, AK002074, AK023913, AX035209, and AC044860.
HSABA15	2035	827064	1 - 933	15 - 947	AW515586, AA374216, AL078590, AL078590, and AL078590.
HSABG81	2036	753408	1 - 2173	15 - 2187	BG168301, BE544143, AI802060, BF216057, AI805751, BF032050, AA088790, AI148506, AI419057, AI199104, BF476104, AA682583, AA811223, AA278746, AI628824, AI336921, AI352130, BF131723, AI637749, AI049886, AI200698, BG104860, BF330472, BF330468, AI623859, BF330473, AA278879, BF330465, AW243799, AV707760, BF330470, AA431303, H16912, AA279813, BE644696, AI350502, BF223688, BF330479, BE858889, AI240460, AW977647, BF330478, T85376, AA279709, BF770441, T85474, AW015845, H16802, BF330480, AA374574, BF851090, AA847160, BF196806, AR083279, AC024631, AC024631, AC024631, AC017098, AC017098, and AC017098.

HSATA50	2037	562007	1 - 923	15 - 937	AC007790, AC007790, and AC007790.
HSATA61	2038	801927	1 - 405	15 - 419	AI653084, AI653066, AI218850, AI017161, AI767676, AI828024, AI051130, AI125860, BE858111, AI655302, AI885860, AI810885, AW444593, AI220316, AA670415, BE910288, W15293, AA953870, AA844468, AI673127, AA622314, BE906132, AI760957, BF182711, AA448643, AI205498, AA700496, N45044, BE903777, W23718, BE261354, AI628108, BE279986, BF033739, AA897782, H18776, AI817746, N46322, AF088006, AC008743, and AC008743.
HSATG66	2039	824903	1 - 4035	15 - 4049	BE748853, BE739497, AV717079, AW966911, BG031304, BF970551, BG257314, BG260738, BF035418, AW967532, BG170769, AV725834, BE882544, BG114010, AW967997, AV725306, AW961735, BE889840, BF917737, BG249444, BG169707, AV707782, BG165273, BF671676, BE888888, BG036845, BF245437, BE748262, AW193689, BG256230, AV658432, AW963689, AI890564, BF575329, BF512200, AV703114, BE885637, AV725214, BF574322, BG169220, BF207749, AW022949, BE567009, BG248901, AV725506, BF701206, BF790641, BF694123, BG169109, BG169797, N31913, BF382782, AW364771, AI768379, AW188047, BF575422, BE870264, BE566229, AA058763, BE894717, AW009567, AI127301, BG178051, BF132983, BG253653, AW959283, AW058616, AA044759, W61027, AA534631, AV715014, AI446741, BF673008, BF940136, AV755669, AI700955, AW474442, AA131516, BE739232, AW298345, AI675443, AW235538, AI089245, AW842648, BF790715, AW298784, BF109734, AI087348, N24245, BF215091, N20943, BF208572, N24739, BF029055, AW152450, AI088458, AA946818, AA009580, AI708128, AI335731, AI373559, AA405782, AI494155, AA551214, AI284451, AW501069, AI373932, AW079066, AI095814, AI863012, AA024880, AW474110, AI735417, BE568176, N27812, AI680232, BF693989, AA043706, W19517, AA912150, AW503575, AI335719, AA975391, BE221248, BE350574, AW192691, H97905, AI831608, AW131326, AW511021, BF239123, AI474108, BF476664, BF132643, AA121932, AI978647, AI038337, AI444995, AA564419, AA829529, AI219954, BF445250, AI494091, N90798, AI049953, BF665239, AI953541, AI374656, AW090269, AA969206, AI668792, AW058462, AW337966, AA043707, AI625592, AI589388, W42585, AI269869, AW661836, R71361, AW080027, AA236045, N20065, AI800738, BF575019, AI049664, AA056622, AA027016, BF477608, AA405717, AA181911,

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HSATI91	2040	838829	1 - 1363	15 - 1377	BE045425, W15407, H13541, AW294075, AI089976, AA447219, AI521807, H97665, AI568150, AW952300, AA468043, AI373421, AW003998, AW237749, AI656588, AW206741, AI350171, R66726, AA774415, AI445397, BE552212, AW590674, AW052133, AI652452, BF115119, AW188530, AI817193, AI670868, AA461538, AW968126, AV714521, AL523880, BE614460, AI925103, AI861967, AI765452, R80251, R67606, AI758865, AA708099, AI275658, BF093497, BF377943, N80931, AA836286, AA327413, C01108, AL526567, BF377920, AI928033, AI824281, AI208587, AI468465, AC007899, AF167460, AF167459, AC007899, AC007899, and AC007899.
HSATR50	2041	826398	1 - 848	15 - 862	AI978701, AI377338, AA641763, AI262387, AA742187, AA588130, R77837, AL046942, AI358735, AW023693, AW105437, AW976490, AA700501, BF968271, AI697029, AI491813, AW136908, BF438365, AV760806, BF436500, AI354410, AI859557, AW000959, AW665205, AW168511, AW188855, BF212745, AA418926, AA761830, N32524, BF132283, AA227803, BG151205, BG151192, BE765306, BE765307, BE765334, BF665923, N42739, X93812, AC006389, AF182294, AC006389, and AC006389.
HSATT82	2042	566784	1 - 1061	15 - 1075	AL036070, AI355559, AA515351, AA715606, AA910139, AA701131, AI133102, AC005746, AL031311, AB020865, AC003029, AC006512, AP001711, AC005696,

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HSATW19	2043	637658	1 - 681	15 - 695	BF725884, AW103406, AI733856, AI755214, AA579179, AV756491, AI754567, AI754105, BE143603, AW467323, AL079734, AA535216, AW576251, AI732151, BE138594, AL038842, BE062478, AA524616, AW805539, AI821931, AL135377, AW976024, AW500029, AL046409, AV710482, AW958962, AW500684, AV760508, AA410788, BG180976, AI358712, BG059972, AV763550, BF868994, AW973992, AV761519, AW148507, AA714110, AW805547, AA515048, BE062476, BE501593, AW237905, AA847499, AV763540, BF974756, AI380617, BF526964, AI061313, AA659832, BF991881, AA578621, BE256101, BF854308, BF939548, AV758790, BF691714, AA513551, AV741663, AI620585, BF991882, AI887235,

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HSATW67	2044	604938	1 - 707	15 - 721	AA403053, BE149334, BE018348, AA984295, BF989874, R22182, BE079778, BF998916, BF762199, AI373771, AW117471, BF438136, AI494473, BE148405, AW851241, AI052296, AW298143, AA461571, AA668598, AW593099, AA291948, AA504487, AI050825, AI418815, AI571732, BE072243, BE072227, AI651550, AI743287, BE675366, AA457055, T03289, R86678, AI652561, AI952736, AI911509, AW292296, AA454942, AA922652, AA279213, AI951306, AW242797, AI140878, N91112, W60681, AA399584, T90231, N88411, H52747, AW852424, AW852386, AW852407, AW852402, AW852413, AW852412, AW852417, AW852440, AW852435, AI028364, AA330438, BF432341, AI949802, AA383116, N68468, AW859756, AW859854, AW862249, AW862248, AW271466, BE467234, AI359839, AI690255, AA176350, AA464867, T68642, AI017311, AF124523, AF146367, AK022218, AC008173, AP002026, Z98043, AL136520, AF003528, AC004225, AC016716, AL442167, AL163285, AL132668, AC006971, AC006511, AL157789, AL033524, AC008155, AC023051, AL008713, AF227510, AC008166, AL137072, AL031177, AC087085, AC010084, AL163248, AC006560, AC009244, AC016138, AL024458, Z69923, AC009952, AC005076, AL450305, AC010379, AP001604, AL355871, AL133372, AL355838, AC004614, Z95331, AP001699, AF070718, AL359715, AL031119, AL355815, AC002467, AF130343, AL031054, AC006052, AC005261, AL049767, AC083869, AL133224, AL109933, AC021107, AC066590, AC017089, AC004544, AF001905, AC004045,

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HSATZ02	2045	490895	1 - 1015	15 - 1029	AW246780, AA577706, AV759632, AA526625, AA602906, AA526326, AV758870, AW237905, AI433952, AA491941, AI245693, AW081485, AV760014, AA582778, AA662590, AA584484, AA622801, AV761107, AA747757, AI871966, F00564, AA679946, AA573067, AA302817, AI049999, AW976024, AI733856, AI921765, AA715277, AA502207, AA833896, T46960, AA833875, AW117740, AI569401, AC005263, AP001206, AC005696, AP001746, AP001621, AC005568, AC020906, AC018639, AP001731, AC008616, AC007052, AC005921, AL033529, AC005291, AC008569, AP000503, AL033397, AC008521, AF134726, AC003007, AP001622, AC006337, AC009116, AL031680, AL159168, AL121653, AL139289, U91326, AL139339, AL132713, AC007404, AL138752, AL096703, AP000356, AL031447, AF045555, AC009600, AC005578, AC005632, AC005901, AC004686, AC005562, AL031283, AC005081, AL137230, AD000092, AC007312, AL158040, AL049591, AL136137, AL353777, AC003966, AC005516, AC002558, AF038458, AF064861, AC004019, AL080243, AC004832, AC006312, AC022392, AL078638, AL121586, AC068919, AC005089, AL138807, AC006071, AL109825, AP001753, AL159997, AC005666, AP000020, AC011497, AL132653, AL117382, AL121928, AL136097, AL136418, AC005784, AC002544, AC004815, AC010463, AC016027, AC004752, AL133258, AF196779, AP000432, AL096767, AC005971, AL133545,

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HSAUA95	2046	604940	1 - 546	15 - 560	AV719865, BF966715, R70739, AI498401, R30807, R30791, AV725920, AC007619, AC007619, AC007619, and AC007619.
HSAUB89	2047	600369	1 - 1274	15 - 1288	BF857849, BE139139, AI250552, AI284543, BE138387, AI251284, AI251034, AI251203, AI254770, AI249853, AW303098, AV763026, AV763058, BE155951, BE042006, AV703785, AA904211, H73550, AA833896, AW856329, AA833875, AA609834, AW276678, AV762430, F35663, AI690497, AA773473, AV745803, AI366555, AV745750, AI247101, AV746152, AI936229, AW105346, BE968744, AW274349, AW576485, AV733907, BF447461, AW474921, AA452325, AL133548, AL138976, AL360227, AC006026, AC083866,

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HSAUI53	2048	866191	1 - 1478	15 - 1492	<p>AW820787, BE071876, BE071877, AV700498, AA680243, AI732120, AW820795, AV700545, BG105817, AA714338, AV759798, AW131249, AV700988, AV734607, AW970915, AA836811, BE175610, BE779948,</p>

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HSAUV74	2049	866193	1 - 885	15 - 899	AL109753, AL158830, AC011484, AL031681, AC006329, AC007458, AL109753, AL109753, and AL109753.
HSAUX39	2050	823161	1 - 1992	15 - 2006	BE160551, AI879243, AC016572, AK002206, AC016572, and AC016572.
HSAVA58	2051	866194	1 - 1228	15 - 1242	AC010186, AF165175, AP001671, AF195953, AC005157, AL022162, AL157789, AC006227, AC010186, and AC010186.
HSAVE52	2052	600370	1 - 1453	15 - 1467	BF694976, BF907608, AA810331, AV764259, AW237905, AV759632, AW819125, AW514006, AW779609, AV699173, AI491765, AA013168, BE147833, AV728856, BF724699, H63660, AA019973, AW023111, H61871, AW274078, BF843640, H40478, T49633, AI290405, AI791475, BF990660, AC004139, AL031431, AL391114, AC008805, AC008687, AP000121, AP000053, AP000168, AC022392, AL136170, AL078476, AC005283, AC008074, AC011490, AC005225, U96629, AC008155, AL031577, Z93023, AL049692, AP000346, AC002350, AF254983, AL121751, AC005900, AL049868, AL024498, AF053356, Z82215, AL163201, AC005881, AC005412, AC005486, AC005182, AC004824, AL354864, AC025593, AL161936, AP000322, AL109653, AP001753, AC007536, AC005839, AC002316, AL031667, AC005619, Z98044, AC008569, M37468, AF207550, AC055740, AL121897, AC004686, AC027319, AL109804, AC004991, AC006345, AC007404, AC005324, AC005049, AC005562, AC007387, AC068799, AL080249, AC006120, AL133244, AC021876, AC010412, AC017100, AL034420, AL031286, AC006501, AC007551, AC002395, AC009756, AF243527, AC022137, AC008688, AC005015, AL135787, AC006088, AP000557, AC006480, AL139289, AL445490, AC007371, AL121868, U91321, AC008764, AC023105, Z93015, AC008547, AC010422, U91327, AC004000, AC004900, AC008403, AC005755, AC020552, AC004840, AC005236, AL121928, AP001718, AL121890, AL022315, AC005901, U95740, AC009331, AC005011, AL035405, Z83844, AC004134, AC020916, AC025436, AL022320, AC005754, AL117334, AP000098, AP001727, AC002492, AC011811, AL355499, AC006449, Z95114, AC007383, AC010170, AC004089, D89013, AC006039, U62317, AC007384, AL031658, AL021578, AL109797, AC006948, AC016637, AC000085,

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HSAVH32	2053	603367	1 - 837	15 - 851	AA683069, AI733856, AV763026, AV763058, AL079734, AA773463, AI754653, BE560149, AW970588, AL036896, AI583466, AW069227, AI251576, AW575729, AW439703, AA828637, AW873261, AA833875, AA833896, T74524, AA019973, BE063437, AL042667, AL042670, AW970987, BF917346, AL042373, AV756491, BE138594, AI635440, AV762633, AI355246, BE178489, AA013168, BF528591, AW275432, AI282253, BF940118, AW813668, AL135363, AL119921, AI537020, BF805088, AL524675, BF763954, AW856329, AI376239, AW277000, AW277093, AI792575, BF725844, AI891080, AV761989, AA714011, AW970877, AI904840, AI755202, AI380617, AI066646, AW805539, AA533025, AV762430, AW969743, AV757289, AL041375, AV760391, AI254959, AI306232, AA455483, BF854308, BE062545, BE062211, AA601674, AV716708, AI754567, F23338, AV759632, AI962030, AA355367, AA493808, AW572721, AV764535, AA525253, AW274191, BE328573, AV755654, AV760389, BG029528, AW576251, AW272815, BF839844, AI457313, BE315483, BF974756, AI687343, AV763457, AI160534, BE206562, AW151541, AI973173, AW962343, AA644090, AA577706, AI065031, AA526625, AA526326, AA719564, AA535216, AV703785, AC004690, AC011465, AL163279, AL022721, AF146367, AL022322, AC016594, AC007664, AC008543, AL138960, AP000152, AL049829, AC005082, AL133153, AF124523, AC022148, AL390209, AC005722, AC055740, AC004840, AL353701, AC005081, AC005829, AL031311, AL022330, AP000114, AP000046, AP001717, AC005383, AC009298, AC011450, AL050335, AL117339,

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HSAVM49	2054	800279	1 - 1252	15 - 1266	AI131050, AL529442, AW288086, AB043885, and AC060757.
HSAVO11	2055	566467	1 - 1609	15 - 1623	AV714805, AW965008, AA908687, AI951863, AI567674, AI076616, AL040921, AI053790, AL045053, AI053623, AA055169, AW243793, AV691147, AI431303, AU149045, AA601355, AL138265, AI284640, AL046409, AW970915, AW769399, BE646496, AI963720, AI282832, AI334443, AW193265, AV760777, BF668217, AW021583, AF330238, AV728425, AA586458, AV740801, AL046205, AI270117, BE393367, AV725423, AV710066, BF241967, BG249643, BF965406, AW303196, AI345654, AI613280, AW089927, AW833862, BF697673, AV728612, AW301350, AV761362, AA838140, BF677892, AW969629, AV762395, AW247819, AI345518, AA720702, AV760937, AA665330, AI924251, AA812139, AA101689, AW502975, AV762098, AW964365, AW964364, BF970654, AV761489, AV763354, AU147104, AA610271, AI350211, AA490183, AW438643, AL041690, AI133164, AW103509, AV764307, AW102955, AV702857, BE387734, AI537506, AV762111, AW088202, AV735370, AW960468, AF074677, AW419262, AV762397, AW662543, AW238278, AI289067, AI281881, BF679304, AV763971, AI305766, AA581903, BF965082, AI064864, AW406447, H71429, AW589257, AA483223, AV700498, AL138455, AV762064, AV757607, AV763449, BF942454, AI754658, AA469451, AV763255, AW975987, AI457397, AA652764, AW513362, AA610491, AI708009, AW276435, AV764329, BF827410, AV759274, BE350475, AV760042, AV761786, AI805363, AW410400, BG109996, AV762139, AV762050, AW327868, AV735495, AW963497, AW574794, AV762535, AV764241, AA525190, AI345681, AW072923, AV764578, AA587604, AV733830, AI345675, AA491284, AW276827, AI312309, AV762959, AI821271, AV759204, AA349366, AV759505, AA468131, AA631507, AA569471, AL042853, AL044940, AV760257, BF592311, AW274349, AW407578, AV742057, BF130107, AW193432, AW973397, AI375710, AU128330, AW975425, BF475381, AV710387, AV763670, BE674881, AL048626, AW069769, AV760571, AI471481, AI688846, AW073470, AA613227, AI799642, BE047069, AV762154, BE049139, AA487475, AV760106, AV764398, BE150580, AV757425, AW408717,

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HSAVO17	2056	738007	1 - 1427	15 - 1441	AI733856, AW973992, AA847499, AI625604, AI254779, AA515728, BF771774, BE063437, AW963463, AU147162, AV756491, BF725844, AW341978, AA410788, AV762633, BE256101, AW575000, AI821931, AW275432, AI537020, AI891080, AI279417, BE139267, BF805088, AI491765, AI114733, AI133552, AI754653, AA535216, AW264986, T74524, AW327624, AV755512, AI613389, AV763026, AV763058, AV738383, AL079734, AV757289, AV695478, AI801505, AA714288, AA533176, AW805539, BE062478, BE139358, BF589824, AA715814, BF839844, AA456924, AW328331, AA630854, AA513851, AW798093, AI056177, AV763457, BE178481, BE138594, AI679002, AI281881, AV764259, AV715310, AI821420, AI675615, AW872676, BE062476, AU146620, BE062159, BF768846, AW505253, AI380617, AW265688, BE968744, AI821987, AW302017, AI732869, AW022897, AI696955, AA584489, AW167330, AW168433, BG250286, AW978041, AI912401, AW970064, AA719073, BF828714, AA856873, BF827410, AA904275, AI628922, AW270256, AW438542, BF771349, AW575605, H07953, AI792578, BF528591, BE048991, AA736477, AA773463, AA533025, AV736734, BF212465, AL133260, AC020908, AC008760, AC007030, AC006271, AC008616, AL050335, AC003101, AC004706, L44140, AC007216, AL031683, AC007565, U95090, AC002456, AL109823, AC004253, AL132639, AC011464, AC011475, AC004491, AL031295, AC005291, AC011462, AC005666, AC009756, AC008623, X55448, AC009470, AL121899,

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HSAVQ13	2057	606818	1 - 562	15 - 576	BE072178, AL121886, AF053356, AL022067, AC002288, AC005043, AL024507, AC005011, AL035417, AC006347, AC010746, AC010746, AC010746, AC010860, AC010860, and AC010860.
HSAVR85	2058	786185	1 - 5034	15 - 5048	AL530545, AL530546, BF794160, BF034230, BE842767, AW582124, BF795340, AB045230, BG117980, BG111120, BE740467, BE842766, BE147580, BE842757, BE842753, BE873103, AW813950, BE842764, BG119045, BE842775, AW378967, BE147469, AW813801, BE147803, BG111202, BE842754, AW582107, BF338111, BE147582, BE842779, BG168353, AW582127, BF033455, AW582105, BE904231, BG260557, AW378964, AW950949, BE842777, BE147788, BE842770, BE147474, BE842771, AW813960, BF309673, BE842774, BE842765, AW813609, AW813967, BE147476, BE147801, AW813735, BE842776, BE147593, BF309593, AL035851, AW813943, AW813608, BG163797, BE842762, BE147463, BE147119, AI207515, BE147736, BE842751, AW378952, AW582104, BE147470, BE842773, AW813576, BE785649, AW378970, BE782869, AW579698, AW582110, AW813805, BG035906, AW813868, AW813799, BG031595, BE842739, BF349890, AW813953, BE842740, BE147594, AW813969, BE147587, AW813741, AW813806, AW582118, AW992554, BE147583, AW579686, AA452202, BE898150, AW813966, AW378956, BG165847, BE842780, BE147585, BE147472, AW813612, AW582123, BE706155, BE147732, BE147726, AW813952, BE147581, BF528967, BE147804, BE785164, BE147727, AW582116, BF347823, BG259282, AW582130, AW813958, BE147335, AL036446, AW813584, BE147462, AI971040, AW378954, AW378957, BG112319, AW582121, AW813802, BE744587, AW813954, AW813573, AV707565, AW393921, AW601513, AW813867, BE147468, BE147465, AI830079, AI478191, AW813944, BE161572, BE147800, BE147737, AL079742, AV693655, AW955076, AL036648, BE842759, AW939270, AW378950, AW813602, AV692565, BF673280, AV692568, BF591662, AV694364, BF375136, AA984313, AW579683, AV696559,

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HSVY92	2059	606808	1 - 1120	15 - 1134	<p>AA760699, BE148769, AU139382, AL518266, BE905657, AA044767,</p>

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HSAVZ05	2060	690151	1 - 1572	15 - 1586	AU146936, AA502868, AA610505, AA757426, AI679294, BF927386, AI679871, AA547979, AV700421, BG110480, AA599143, AV733183, AA599115, BG056362, BF915535, AL046746, AW817886, BF870775, AI457152, AL040921, AI053790, BF923365, AW514598, AI080732, AV762975, BF529703, AI800168, AV733174, AI800180, AA492584, AW249468, AW510513, BF212160, AU153921, AA595093, BE515119, AI440117, AA457685, BE062478, AI961232, BE895796, AU147738, AL137984, BE062476, AV758210, AI445582, AI291309, AI445934, AA282951, AU146487, AI368732, AV728369, BE908602, AA568314, AA284247, BF725844, AW467607, AK024138, AC020904, Z93015, AC002477, AL158196, AL049840, AC008569, U96629, AC010458, AC011465, AC009509, AC011475, AL157838, AL355385, AC007030, AC006441, AL022336, AC009060, AL049776, AL158828, AC004166, AC008760, AC002310, AC005015, AC002369, AL136304, AL121586, AC005520, AC005736, AC004815, AC005098, AC004867, AC008403, AC016898, AC000025, AC027319, AC004526, AC007637, AL008718, AC005089, AC002126, AC010271, AL022322, AC011495, AC005081, AL049748, AC007052, AC006023, AC005049, AC025593, AP000131, AP000209, AC016025, AL109952, Z83844, AL031311, AC009123, AC003101, AC004150, AL158830, AC004089, AC004821, AL109827, AL121655, AC002996, AC005071, AC004216, AC005229, AC007956, AC005412, AP001717, AC008812, AL109797, AL096870, AP001711, AL034420, AP000248, AC004000, AC011811, U52111, AP001725, AL162430, AF111168, AC007011, AL050318, AL121905, AL136137, AC005529, AL160191, AL157938, AC004878, AC010605, AC005052, AC005670, AL031659, AC005086, AC008753, AL035462, AL078638, AL024498, AC018738, AC009516, AC020908, AC008616, AC007537, AC068799, AL049712, AP001726, AL034548, AC005480, AC008267, AC004685, AC011479, AL137039, U47924, AF047825, AL138787, AL109976, AL117258, AL031431, Z93241, AC004991, AC011452, AL121601, AC011480, AC006330, AC008736, AF243527, AC007993, AC002316, AC005288, AC004812, AC005666, AL109804, AC004019, AC007731, Z84469, AC010553, AC005037, AC009247,

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HSAWB58	2061	738018	1 - 1689	15 - 1703	AA584489, AI040051, AW021917, AW270258, AV760918, AI338426, BE019467, AI587583, AI587565, AA610491, AI144101, AV760571, AI357823, AI635819, AV759204, BE063437, AI754653, AA515728, AI061313, AV711465, AL118991, BG058664, AW271904, AL120959, BE139267, AW872676, AA680243, AI004591, AW672999, AA576336, AW500250, AI753488, AW855803, AW276827, AW237905, AW513015, BF839844, BF724372, AL079645, AW193265, AW189068, AW855730, BF919931, AV703682, AI298710, BE062545, AI732120, AV763354, AI281881, AA225406, BE139358, AA661948, AI291823, AW958962, AI635028, AW272294, AI885488, AI623898, AI859946, AW962942, AV730824, AW131249, AI188390, F36273, AI860020, AL449689, AI623720, AF246229, BE018774, AI570943, AW732188, AI039809, AW574794, AW855736, AA191418, AI350211, AA548029, AW571499, AW872575, AA621704, AI445815, AI377413, AI355587, AW028429, AV762139, AI312790, AW974932, AW873261, AW276935, AI613280, AW276817, BE090487, AI821044, AI628219, BG236735, AA779783, AI571512,

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HSAWH36	2062	581087	1 - 1100	15 - 1114	AW079761, BF879045, AW969831, BE138594, AI369580, AA632757, BF879334, AA663201, BF675251, AA552586, AV754659, AW275971, BF339636, AW069769, BG180976, AA507822, AA532419, AI580250, AL137061, AC007097, Z98036, AC011310, AC008474, AC003010, AL034402, AL049709, AL132656, AC018637, AL135783, AC017093, AC008753, AL354857, AC003071, AC007546, AC005901, Z85996, Z98941, AL138878, AL035458, AC006337, AP000039, AC018641, AC005191, AP001715, AL035089, AC007969, AF168681, AC007000, AC003091, AC008816, AF002223, AL159997, AC010081, AF069291, AC010205, AL390025, AL353804, AL136980, AC074178, AP001725, AL158040, Z94056, AC009060, AL135744, AC009311, AC005736, AC005792, Z84484, AC007327, AB020868, AC018738, AC083874, AC004785, AC002457, AC005995, AP001728, AL121869, AC006088, AC007378, AL133174, AC008764, AC025435, AP000692, Z93244, AC007384, AL109656, AC005002, AC020626, AC002430, AF011889, AL356513, AC007312, AC005803, AC012055, AP000010, AC006123, AL118501, AC004584, AC005722, AC004622, AL356022, AC005837, AC002470, AC074338, AC007671, AL031846, Z95114, U89335, AL049836, AC007631, AC020550, AF064861, AL136000, AP001679, AC005257, AC025445, AC020898, AF181896, AL035427, AC012351, AL024498, AL078581, AL109953, AL033381,

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HSAWM20	2063	606840	1 - 610	15 - 624	AW193265, AI431303, AL046409, AV760937, AI284640, AW975266, AV763354, AV764307, AI334443, AV710066, AA631507, AW083364, AV764398, AW974109, AA610491, AI350211, BF677892, AV740801, AW500125, AV760774, AI732865, AI149478, BF475381, BE350475, AI370074, AW502975, AW193432, AI370094, AI537506, BE206443, AL041690, AI471481, AW438643, AV762139, AV728928, AA584581, AI085719, AI754658, AL119691, AV764530, AV762959, AI688846, AV761188, AV761608, AA525824, AI053672, AV762050, AL048925, AV761631, AI375710, AV728425, BF681576, BG249643, AV761403, AI061334, AW265393, AL042753, BF697673, BF939954, BE047069, AI708009, BE042649, AV760378, AV725423, AI281697, BG059568, AW008317, AW731867, AA977743, AV760817, AV759382, AV762098, AA515829, BG107801, AV760543, AA828042, BF241967, AI744188, AV733830, AI801600, BF883982, AW511743, AI805363, BF337291, BF806176, AV760207, AV763122, AI344844, AV763847, AI469968, AW517737, BF805094, BF812839, AV759580, W79504, AV759362, AI654588, AV762535, AI590958, AC003046,

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HSAWM74	2064	866195	1 - 519	15 - 533	AL533363, AI963352, AI928783, AI830091, AW156912, AW157766, BG232073, AW162562, AI798138, AW262125, AI674833, AW157587, AI077676, BG236045, AW148939, AI816293, N25541, AA708990, AA669821, AW157474, AA575898, AI338574, AW272546, AA593762, AI200704, W93860, AA576598, AI817392, AI199823, AV711322, AI039883, AI986467, AI139644, AI206529, AA843178, AW029137, AI340072, AA577607, AV759165, AL533268, AA864492, BG178409, AW161689, AI276918, BF967861, AV722302, BE874868, AV702224, BE122846, AA128267, AI630859, AV723940, BE791202, AI139451, AI673724, AI832599, AA970318, AA506290, AA814150, H42152, AI923629, H43136, AI523448, AA029738, AA507762, BF339857, H01957, AI191285, AI085683, AI745646, AI660175, H42506, BG178768, BE877936, AV742697, AV744421, AA029498, AA740348, AA457725, AW005610, N20640, AA506938, AV733623, H26094, H42476, AA039989, AI167980, BF448586, BG163828, BF815571, BG230993, AA642726, AA455488, W74383, AV755945, BF967950, AV707789, N36838, AA572799, AI754274, BG164837, F32477, AW511436, BE799051, BF571229, BF529506, R79563, BG171345, BE872856, N21386, T34865, N36170, AA845291, BF737798, BE615020, AI754434, AA010689, AL533542, BF345205, BF772634, BE780411, BE745145, W79200, AV740099, BE122839, AA629624, BF687929, AA126699, AA551974, AA213462, AV710824, AA062612, AI866674, R79564, AI753955, H43291, AA455489, BF528571, BF973309, W90619, H87752, AV729590, BF974878, AI675230, AI262663, AV733983, F19214, AI244333, BF530905, AV734637, BE122838, AA034262, F27538, AA807373, H44617, AI675219, M79268, AA550788, BF338381, BE763269, F19707, F27484, F37858, F17594, AI186350, BF737242, AV735781, AA524132, F33191, AA133870, T30025, BF216407, BF820971, BE718764, AA552464, BF974287, AA971047, BE768403, BF062642, R98062, BE769233, BF126571, F36923, AV748914, BF825918, AI280230, BE819393, AA044384, R99593, BE718760, W27617, BE834310, AW016630,

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HSAWX70	2065	872498	1 - 4001	15 - 4015	AU120914, AU118961, AU120025, AU139829, AU135558, AL043280, AA603182, AU135145, BG259793, BF792969, AU137405, BG179092, AW891047, AL120645, AL138058, BF673533, AW862788, AA601418, AV720960, AU123600, BF672307, AU137706, BE749121, AW963819, BG254557, AA601464, BF982408, AA577825, AV730341, AA577803, AW975619, AA601406, AA126847, AA577840, BF854115, AA713821, AA594706, BE894100, AA577875, AA126794, AW854785, BF670524, BE146572, AA490019, AW936347, BE178630, AA583392, AA577773, AA601412, AA577765, AW835453, AA307312, BF126263, AW854172, AW835452, AA593549, AA594753, AW936488, AA490015, BF671398, AL138332, AA169557, AA489989, AA658824, BE737678, AA613153, AA174121, AA169344, AV654053, AA169228, BF815390, AA487519, AA722310, AA180281, BF853808, BF853864, BE142308, AA456926, AA773127, AA167492, AA504875, AA486097, BF853661, BF853043, AA456979, AA179985, BE246241, BE146570, AW129720, AA594147, AW818170, AA451922, AA464930, AA315673, BF853866, AA775210, BE073203, AA668372, AA772877, BF853660, AA456920, AA663375, AA834194, AA668327, BF854257, AA584834, AA188953, AV750915, AA167544, BF993214, AW864373, AA578664, AA121767, AA584534, AA613193, BE069877, BF743203, AA206780, AA169346, AA456941, BF992082, AA780751, AA451919, AA457219, AW860074, AA584435,

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HSAXC22	2066	606842	1 - 536	15 - 550	AV701874, AV654035, AV729220, AV692972, AV685688, AV689800, AV687909, AV652001, AV706527, AV726156, AV656240, AV726194, AV727126, AV693005, AV724987, AV687176, AV727459, AV655901, AV656283, AV651897, AV725956, AV706532, AV707933, AV706162, AV727032, AV729077, AV651503, AV701728, AV725441, AV692345, AV709407, AV728436, AV706165, AV728715, AV705047, AV652156, AV725617, AV704553, AV725826, AV706882, AV702427, AV728270, AV697638, AV706089, AV651955, AV706671, AV726259, AV705976, AV708991, AV705684, AV707458, AV726694, AV701560, AV726520, AV652528, AV704182, AV705299, AV728404, AV646347, AV709356, AV658436, AV702738, AV704269, AV728652, AV709549, AV658784, AV702817, AV691615, AV703762, AV703213, AV706662, AV701707,

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HSAXI10	2067	598726	1 - 798	15 - 812	N27751, AL042373, BE327876, AI755214, AW500684, AI754567, AI754105, AW969667, AW576251, AV761107, AL120343, AA602906, BE315483, AI733856, AV758870, AI061313, AA535216, AW973992, AW270385, AV760469, N23504, AA315361, AA579179, AV759632, AV763550, BF805088, AW341978, AA644090, AI801505, AV760014, AI636480, AI279417, BE062159, AV756491, AA714011, AW265688, AA410788, BF950533, AV710214, AU147162, AI683131, AW328000, AW275432, AW021917, BF691714, T74524, AI923052, AL079734, BG029528, AV764259, AA904275, BG180976, AW872736, AL040054, AA515728, AI254779, AA618316, AA829044, AI251576, BF589824, AV759295, AA284247, BE139267, AV762430, AA643770, AI275982, AI889995, AU151751, AV759518, AI583466, AI962030, AV762633, AV744179, AL524675, AW976024, AA577706, AW575605, AL042230, AW328202, AL119691, AI569401, AW975049, AW338035, BF854308, AW816516, AW338021, BE063437, AA502991, AI366555, AI669421, H07953, AI801482, AW026305, AL042667, AL042670, AI421950, AV710482, AW069227, AI419337, AL047349, BG059972, AI753113, AW753399, AU143917, AI859438, AV730986, AI284126, AW963542, AI040051, AW162288, AW845366, AI348780, AA659832, AV733437, AV761613, BE138594, AI926728, BE151208, AL040374, AW576374, BE139358, AA714110, AL037714, BE161469, BF804385, AI249688, AW575012, AV761547, AV695478, AW471332, AI114557, AI114733, AI133552, BF939646, AI361090, AI049709, AI654738, AW969743, AW969831, AW237905, AV732057, BG000961, BG231842, AI188340, AI160534, AI669589, AW302659, AW302705, AA828834, BF525663, AI345654, AW275719, AW270771, AV762975, AW151541, AV719392, AI793172, BF589788, AI908381, AA578621, AA833875, AA833896, AC008649, AC005200, AC007664, AL031283, AC011450, AC020913, AC010352, AL136418, AC007308, AL049776, AC002472, AL133467, AL135927, AC007227, AC016652, AC011462, AL356020, AL353653, AC000159, AC002470, AC006345, AL096791, AL109801, Z82195, AC006329, AC006942, AF168787, AL031228, AC011465, AL161936, AC008623, AC004466, AL109825,

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HSAXN57	2070	604946	1 - 470	15 - 484	and AP001992. AI022066, AI052093, AI697539, AW975156, AA659108, AC068096, AC068096, and AC068096.
HSAXO45	2071	812767	1 - 1377	15 - 1391	AV709692, AV709025, AV703761, AV705020, AV683012, AV655067, AV694787, AV729494, AV725514, AV707654, AV725423, AV706891, AV728425, AV702343, AV688407, AV726754, AV702817, AV706410, AV707794, AV701873, AV706025, AV701499, AV703998, AV702659, AV701858, AV703137, AV729037, AV705525, AV706814, AV701876, AV703460, AV703232, AV703388, AV701844, AV704740, AV706991, AV709935, AV702760, AV701496, AV702463, AV728455, AV708720, AV727822, AV707368, AV724987, AV656240, AV708809, AV701372, AV655096, AV728546, AV706527, AV726559, AV702728, AV702107, AV729076, AV705047, AV705416, AV702280, AV709273, AV728715, AV702486, AV729411, AV707686, AV705532, AV707798, AV706758, AV709596, AV763583, AV658784, AV727583, AV702738, AV726505, AV704974, AV706394, AV701596, AV649758, AV705299, AV703515, AV707088, AV701961, AV702869, AV725090, AV704401, AV709897, AV701728, AV702172, AV764176, AV706741, AV706827, AV727032, AV658332, AV726787, AV729473, AV707184, AV728872, AV706925, AV703436, AV725031, AV706659, AV703417, AV726183, AV725497, AV725991, AV708991, AV760359, AV651897, AV726628, AV729077, AV729366, AV705684, AV706989, AV727469, AV705467, AV707510, AV709733, AV703989, AV705433, AV709880, AV703090, AV759059, AV704116, AV704541, AV707458, AV764465, AV759967, AV703214, AV702071, AV709356, AV647654, AV709244, AV707155, AV702928, AV703542, AV726653, AV706882, AV702851, AV707009, AV706133, AV727314, AV727103, AV706330, AV645545, AV727459, AV706453, AV727126, AV701620, AV702383, AV725431, AV648619, AV726838, AV726948, AV691615, AV727029, AV729129, AV707948, AV702787, AV693117, AV702673, AV706532, AV705662, AV705678, AV704981, AV709222, AV728997, AV706992, AV707401, AV647692, AV707882,

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HSAXS06	2072	668260	1 - 1111	15 - 1125	<p>AA381327, AW069227, BF832074, AI634187, AW968341, AW023111, BE154617, AI912401, AI801482, BE143634, AW963444, AI587583, AI587565, AI457313, AW972919, BF724372, AI284640, AI587349, AL046409, AA644090, AW275432, AV756056, AI683116, AW674631, AA219349, AV710066, AW073470, AI307201, BE042511, AV735370, BF915247, AA468505, AL037683, AW500125, AU151751, AA491767, AA878492, BF849430, AV755593, AA587604, AW166920, BF915722, AC008389, AC010609, AC016543, AL133260, AC009086, AP000359, AC008747, AP001432, AC006965, AP000010, AC005746, AL049795, AP000151, AC015550, AL121652, AJ011930, AL163300, AC008569, AC002544, AC007277, AP001728, AC069536, AC004491, AC005332, AL133245, AF134726, AL121914, AL008708, AC005755, AC004257, AC006970, AC009248, M89651, AC006166, AC004955, AC008543, AC005529, AL121753, AC002543, AL009172, L76568, AC008753, AB023051, AP000326, AL139331, AP000054, AP000169, AC021016, AC012309, AC004967, AC010422, AC004888, AL160231, AC003029, AC018716, AP000512, AL050342, AC024561, AL133153, AL035404, AC005747, AL109623, AC011489,</p>

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HSAXS22	2073	608308	1 - 352	15 - 366	AL357516, and AL357516.
HSAYL24	2074	608642	1 - 1052	15 - 1066	BG032946, AA502757, F33235, AI142384, AV711221, AI494074, R70613, AI970637, AW384898, AW630941, AA443390, AW069807, AL039324, AW372242, AI767490, AU138541, AW516301, AI499094, AA373021, AA702498, AA516326, AW957464, BF219137, AA190613, AI453066, BE386324, BE409452, AW954394, AA551409, AF039185, AI588856, AI282907,

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					AA779075, AV708850, AW384879, AI826253, AW673655, AL037876, AA776971, AI254779, BG111945, BF984148, BF913236, AV687035, AW954417, AI003172, AA362700, AA483034, AW089101, AA972809, AA503770, AA501777, AV755677, AA191659, AW020599, AA126450, AK025108, AL133059, AK001635, Z95704, AC006557, AL023875, AC008080, AL031055, AP001670, AC020698, AC007620, AF312915, AL132987, AL157838, AL161426, AL139343, AL133411, AL121653, AC004066, AL161630, AC002464, AC005291, AF165142, AC007912, AC005703, AB020860, AC004106, AC005728, AC005274, Z99291, AC003684, AC073316, AC005378, AP001681, AL162742, AC009245, AL442167, AL078582, AL163285, AC003119, AC002461, AL121936, AL391839, AC009481, AP001068, AL356499, AC004849, AL445465, AC004817, AC008265, AJ011930, AC007782, AL163300, AL163248, AC007036, AC009784, AC002090, AP001759, AC005497, AL133344, AC005324, AL163280, AC026239, AL121989, AP000432, AC007739, AL138828, AP001697, AL034452, U82671, AL109614, AC009721, AC006480, AP001598, AL031653, AL121751, AC087095, AL359916, AL356010, AC005181, AC003950, AL121673, AC004966, AC017002, AC006207, AC004072, AL161445, AF130343, AC017047, AC007262, AL117187, AC006013, AC009275, AL136300, AL139350, AC010311, AL121943, AL445217, AC005599, AC007041, Z97876, AL160058, AC009890, AP000264, AC007561, AL035404, AL050349, AC022148, AL133321, AC020552, AL033526, AC026722, AP001679, AL034372, AC004941, AP000344, AC004664, AC020916, AC008519, AL136314, Z98304, AL162872, AL109798, AC022079, AC020912, AJ009615, AC012067, AP000031, AC005229, AL138755, AC018716, AL160033, AC018812, AF236874, AL136372, AP000101, AP001692, AC005539, AC002994, AC024947, AC010132, AL008639, AL050338, AC004874, AC002301, AC025169, AC008060, AC006039, AF205588, AL050335, AP000475, AC005409, AC013429, AL121983, AC069277, AL033533, AL163533, AL078463, AL352979, AC004887, AL034349, AC024084, Z82194, AC008264, AP001760, AL049610, AP001596, AC009468, AC007878, AC025264, AC009073, AP001678, AC004448, AP000014, AC002074, AC006581, Z84466, AC024154, AC007570, AC023134, AL133391, AC002072, AL078590, AL034402, AL355835, AC007388, AC010170, AC015592,
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HSAYO82	2075	824712	1 - 591	15 - 605	AF139776, AF017104, AC058791, AC016831, AC016831, AC016831, AC016831, AC058791, AC058791, AC058791, AF017104, AF017104, and AF017104.
HSAYR62	2076	751035	1 - 3102	15 - 3116	AL521874, AL521875, BE871952, BE378657, AW385685, BF984076, BG248848, AW811913, BE877730, BE896260, BF184236, BE741912, BE883551, AW959992, BE883829, BF792004, AW608715, AW967116, BF185690, AA888747, AW953964, AW608695, BE697565, BF030318, BF574306, AW875542, AA527664, BE091174, BF944562, N63908, BF849155, AV658357, BG255049, AW875531, AI189325, BF950112, N34246, AI131347, AA031371, BE295130, BF942949, BE718275, N25647, AI025748, AW470040, AI097284, BF944699, AL045319, AW875544, AW875472, AW966713, BF950162, BF846790, AW875469, AW875538, BF800109, BF944558, AA565684, W78051, BF364927, BE299252, AW151829, AA854068, AW875463, BF213739, N23329, BF944692, AW150196, AI680234, BE061304, AI553860, AI692807, AW875480, AL045318, AA129594, AI694263, N33290, AA043919, AA634364, AI089252, R56736, W07707, AA677980, AI017013, AI356743, AA738270, BF364933, BF944567, AI056112, AW900058, AV725732, AA946769, BG026741, AA393961, W79145, AA361038, BF364920, BF944697, N98279, AI669290, AW169890,

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HSACP90	2077	793733	1 - 1059	15 - 1073	AI344212, AV737750, BF882310, AV739223, D58283, AW966029, D80043, D80188, AV720151, AV699550, AW966059, AW959628, D80247, AW960532, AW966531, AW966030, AW966398, AV700086, D80522, AW966342, D80022, AW960465, AW973482, D80253, AW962082, AV722801, AW949632, AW973474, AW973465, D80366, AW959570, AW960483, AV720616, AW960473, AW965177, AW958992, AV721386, AW952839, AW973541, AV701839, AW973334, AV720533, AW952852, AW964468, AW959202, AV718489, C14331, AW959597, AW975618, AW959469, AW978648, AV719557, C14389, AW966331, AV720150, AW966388, AW965163, AW959136, D50979, AW964756, AV718440, AV720028, AW975605, AW965196, AW973485, AW965184, AV718844, AW966333, AV654329, AW966053, AW973490, AW975621, AW966399, AW960553, AV719783, AW966075, AW966065, AW973445, AW966389, AV720464, AV720729, D59467, D80439, AW978634, AW978661, AW966534, D80391,

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HSBAJ47	2078	842694	1 - 2181	15 - 2195	BE748577, AW965199, AV685719, AW965187, AW955216, AI762918, BG260099, BE748162, BG260592, BG105095, AW963799, AI768547, BE895745, AW965182, BF244457, BE327993, AW864384, AW055019, BF215425, AW469435, AA133909, AI422866, AI359440, AI925515, BF218696, AA994978, BF668550, AW511874, AI362319, AV721554, AV724467, BE880703, AA805328, AI581365, AA490518, R80720, H03177, AA261954, AV721860, BF477459, H89303, AA376229, AI581085, H03978, R62563, R80721, AA375349, H89302, R62564, R64519, AA345662, AV701829, AW962915, R33700, R33595, T25423, R64520, AW896401, AA324681, AV648263, AV729263, AL161670, AJ293294, AL161670, and AL161670.
HSDBI90	2079	853376	1 - 1043	15 - 1057	AU145402, H17256, AI341067, R45451, AW294404, BF593070, AA324600, AA348746, Z40844, AW295349, AK021734, AC010285, AC010285, AC010285, AC010285, AC010313, AC010313, AC010313, AC008393, and AC008393.
HSDDC55	2080	663277	1 - 1612	15 - 1626	AW276435, AI805547, BG236735, AA483223, AI082510, AW630298, BE872393, AI004591, AL040054, AA502155, AA491814, AV763540, AI243789, AA191418, BF827410, AI336054, AW500125, AW020088, AI291823, AI355587, AI312790, AW673941, AI624212, AI291124, AI039809, AA847508, AI291268, AI805363, AI380617, AA101689, AI569086, AL041706, AL079645, AW845366, AW327961, AL119838, AW088049, AW517743, AI733856, AW805539, AW467362, AA904275, AV681599, AI205181, BE042475, AI817516, AI079910, AI244127, AW169038, BF919090, AL121712, AC020663, AC003043, AL132653, AL354696, AC020906, AC004840, AL109743, AC005837, AC004477, AL163210, AC025430, AC020550, AC010271, AL035410, U95742, AP000260, AC007225, AL031727, AC005997, AC020750, AL353807, AC002316, AP000099, AF001549, AP001718, AC007637, AL133492, AP000036, AP001712, AC005231, AC007216, AC005632, AL163283, AC006111, U80017, AC007782, AL022322, AL110115, AJ010598, AL096870, AL354720, AL050318, AF067844, AC005785, AP000311, AC007666,

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HSDEA26	2081	822812	1 - 1678	15 - 1692	AF150250, AV744677, AW575909, BF974537, AV718585, AA410788, AA127426, AA228778, BG058664, AA613164, AV738383, AA570740,

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HSDEY39	2082	655366	1 - 961	15 - 975	AL514721, BF814450, AL041772, BE965758, AL514627, BF904265, AL513779, BF970652, AI567351, BF814453, AI702073, BF812961, AL514155, AI680498, AL513631, AI433157, BF812938, AL513781, AI961589, AI633125, BE966547, AL514409, AI249962, AI955906, AI569583, AL514085, AI868204, AW169653, AI912434, AW263569, AL514511, AI590227, AA833760, AL515191, BF904263, AI554821, AI636719, AW082623, AL514793, AL514035, AI863133, AL513977, AI282504, BE886728, AW151136, AI445992, AL514359, AL514919, AI269580, AL513951, AL513907, AI473451, AI670009, AI619502, AI888621, AI561356, AI569328, AI282355, AI539808, AI472566, AL514093, AI582871, AW198090, AL514899, AA814407, AI569945, AL514087, BF970623, AL513687, AW088560, BE964994, AL514791, AW072588, AI446809, AL514691, BE966577, AL513763, AI564736, AL514473, AL040011, AI863382, AI247193, AI619716, AI365256, AL080046, AL513693, AI863321, BE965621, AL513597, AI280747, AW673679, AI249877, AL513755, BG033509, AI783861, AW152182, AI538716, AI536685, AA911767, AI889306, AL513817, AI699865, AI873644, BF724198, AW075413, AL514543, AI521799, AL513999, AI499131, AI637584, AI669639, BE965014, AI445611, AI357599, AW148408,

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HSDFF72	2083	637662	1 - 1262	15 - 1276	AV720526, AV719155, AW297979, AI469960, BF197267, AW517302, AW967501, AW966877, AA251715, H30516, AA720888, AA765940, AV655637, AA743170, AI890205, AC016554, AC004999, and AC008783.
HSDFO08	2084	605008	1 - 1198	15 - 1212	AA703523, W87281, H48633, AI056754, AI932490, R97949, R76397, R97950, R76736, R26877, R27105, AC022886, and AC021425.
HSDFR10	2085	853377	1 - 561	15 - 575	BF434205, N30161, AI275604, BG249350, AI521200, BF439269, BE644920, AW471237, AI333027, H97467, AA242775, AI206379, AI803086, AA253423, AV729039, N52031, AA885385, AI219275, AI572295, H94431, AA252885, N21522, AI240648, AV727857, AV727707, AV726002, AW337691, AW955946, H84442, AV725587, AA242904, and AF009242.

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HSDGB20	2086	608309	1 - 505	15 - 519	AC009220.
HSDGH56	2087	853379	1 - 1090	15 - 1104	AL037910, BF796375, AI343143, AW504485, AW268277, AI252506, AW075979, AL039187, AW979269, BF725347, AF177861, AI708009, BF964699, AW970922, AV733328, AW576287, AV702609, AV706237, AW970962, BF979071, BE157193, BF766734, AI273107, AW977540, AI859834, AI446474, AI865213, AW438643, AW193493, AL120976, AA468322, AA994578, AW162288, BF814446, AW955984, AW474152, AI345654, BE150087, AI791189, AW571493, AA857296, AV710482, AV713291, AA806796, AI623899, C14692, AW503666, AV762047, AL079734, AI872503, AI810236, F17700, BF691180, AW499885, T54898, BF677892, AW419081, AI284583, AW270256, AU137207, AW855803, AW955986, AW189278, R92640, F13749, AI299050, BG222269, AI801600, AI885572, N25042, AW513195, AC008738, Z94721, AL031670, AC020908, AC005516, AC011742, AC034186, AP000011, AC006079, AC026161, AL138995, AC018719, AL353738, AP001728, AC005703, AL357153, AC012085, AC006317, AC022201, AL138706, AC004764, AC016025, AC004448, AC006285, AP001754, AP000555, AL359693, AL133282, AL390755, Z84469, AC006120, AL136231, AP001712, AP001759, AL163853, AC003681, AL358777, AC025594, AC007969, AC008267, AL031313, AL139824, AC008462, AL109939, AL157827, AC005250, AC009953, AL136139, AC003070, AL158201, AL158144, AL353580, AL133328, AL357172, AP000101, AC008543, AL139109, AC010072, AC015853, AC007687, AL360227, AC006038, AL139189, AP001412, AC009228, AC006334, AP002533, AC000004, AP001713, AC006006, AL158159, AP000152, AC009479, AL445483, AC005539, AL137787, AP001751, AL133453, AL160192, AL133500, AC019050, AF224669, AC005969, AL031123, AP000466, AL118520, AC010092, AL139421, AC007653, AL049641, AC027644, AL121845, AL160231, AC005291, AF011889, AL136501, AC008115, AC008551, AJ271735, AL139123, AC005768, AC007271, AC069026, AC008067, AL136298, AC007312, L29074, AC005913, AC007619, AC025447, AC005536, AC020917, Z83838, AC007611, AC024084, AL035089, AC016689, AC010289, AL033378, AC011422, AC018751, AL158841, AC004694, AL050308, AF111168, AL445669, AC005746, AL133338, AP000344, AL022151, AC005348, AL049760, AC005690, AL133325, AP000517, AC008770,

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HSDGM01	2088	608310	1 - 851	15 - 865	AI254779, AI733856, AL038606, AI049709, AV761989, BE019467, AA315361, BE294700, AV738383, AW020992, AI380617, BE315483, AA833896, AW969743, AV760391, AI446259, AI917132, AW855730, AL037927, AI802804, AA630854, AA226584, AA833875, AW969824, AW302017, AV760389, AA483606, AW245354, BF805088, AI311647, AA634786, AW849714, AA570740, AI610920, BG177307, BF725844, AC003043, AL136179, AL109627, AP001725, AC002351, AC005215, AC022436, Z93023, AC005914, AC004752, AP001627, AL021368, AC078889, AF196970, Z99716, AC020916, AC007684, AC004859, AC003047, AL096840, AC004905, AC002994, AC008102, AP001747, AP001753, AC009953, AL022163, AP001718, AL132713, AC005482, D87675, AC005288, AC009600, AL163300, AC004826, AF001552, AC008738, AC004675, AC005255, AC020663, AC068799, AC010203, AC022407, AL050318, AL136295, AL022329, AC005920, AL109798, AC009180, AF088219, AL121928, AC021876, AL035587, L47234, AL033397, AL031255, Z97630, AJ295844, AF219991, AP000045, AC007308, AC006111, AC007597, AC004491, AF064859, AL159972, AC006388, AC008753, AL034420, AL354864, AL096814, AC009060, AF003626, AL049872, AC018644, AL031594, AP000362, AL133174, AC005790, AC009470,

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HSDGM42	2089	870143	1 - 3230	15 - 3244	AL523259, AU125719, AL523258, BE795590, BE795814, BE795317, AL043102, BG112721, AU125792, AU136086, BE742689, BF569391, BF316814, BF664322, BE907570, AU131690, BF311863, BF309140, BE262674, BE798174, BE296057, BF683515, BG032478, BF311452, BE780773, BF307148, BF315533, BF306755, BF975524, AL135057, BF315096, BF204200, BF309118, BE613737, BE899008, BF033497, AU139060, BE265209, BE791961, BF310568, BE260290, BE465420, BE389690, AI681518, BF206501, BE743864, AU127048, BE929626, AW602055, AL039392, BF085765, AI692511, AA126434, AW578789, AW958474, BE551260, BE266650, BF131422, BF085767, W73242, AA431845, AI741041, AA149414,

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HSDGM42	2090	824916	1 - 3215	15 - 3229	<p>AL523259, AU125719, BE795590, AL523258, BE795814, BE795317, BG112721, AL043102, AU125792, AU136086, BE742689, BF569391, BF316814, BE907570, BF664322, AU131690, BF311863, BE798174, BE296057, BF309140, BF683515, BF311452, BE262674, BE780773, BF307148, BF315533, AL135057, BF315096,</p>

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HSDGM42	2092	861925	1 - 3290	15 - 3304	AL523259, AU125719, AL523258, BE795590, BE795814, BE795317, AL043102, BG112721, AU125792, AU136086, BE742689, BF569391, BF316814, BF664322, BE907570, AU131690, BF311863, BF309140, BE262674, BE798174, BE296057, BG032478, BF311452, BF683515, BE780773, BF307148, BF315533, BF306755, BF975524, AL135057, BF315096, BF204200, BF309118, BE613737, BE899008, BF033497, AU139060, BE265209, BE791961, BF310568, BE260290, BE465420, BE389690, AI681518, BF206501, BE743864, AU127048, BE929626, AW602055, AL039392, BF085765, AI692511, AA126434, AW578789, AW958474, BE551260, BE266650, BF131422, BF085767, W73242, AA431845, AI741041, AA149414, BE670447, BE262032, BE674819, AV722012, BE384383, AA453874, AI382171, AI905972, BE263299, BF223537, BE674063, AI651251, BE674064, AA716512, BF351061, BF316271, AI189326, BG058741, BE966299, BE276571, AV747650, AW468178, AA281277, AW406167, AI768820, BE737249, AI087946, AI670131, AL040191, AA489320, AA406606, AW193326, AW300691, BF954429, AI298196, AA994953, N35424, AA768764, AU153388, AU152144, BF155450, AW368562, AW072591, BE263977, AA527704, AI796147, BG232037, N24031, AI189518, BE384457, AW575451, H40910, W73297, AI651230, AA678239, BE314507, AI767999, BE541681, BF432763, BF754544, AI831533, AV659602, AA223088, AI039523, AI633506, AA621254, AA831340, AA577527, AI274990, AA761298, AA595649, AI274989, AI278796, BF955500, AA777665, AW470645, H45097, R54571, BF108609, AA676861, AW515519, AI750752, AU149768, C75076, AA027230, AA714946, R73370, BF904641, AI204199, BE170158, AI769276, AI499039, AI698691, AW239239, BF903847, AA489315, BG014751, BF930421, AA730209, AA355303, BF087104, N41477, T74612, BF927062, AA580813, AI247923, AW874113, AA431442, AW963251, AW440729, BE711033, BE410152, BF982031, AA046211, AA113933, BG014740, AI880169, BF447476, AA889500, AW207415, BF570254, BF803348, AW023485, R86676, AW802230, AW897415, R55477, AI868412, R86029, H44523, BE858504, BF093878, AA149300, AA513167, BG057749, AW080541, AW089033, R51960, AU130125, T74671, R87919, AI214812, AI143409, H51604, BE830715, BF349614, AW139215, BF376257, AI750753, AU126993, AW797146, BF886587, AW897478, AI264766, AA347274, BF378852, AI003529, AW901018, BE174767, BE762778, AW405466, AA375393, AW368718, BF353393, BE762825, BF062991, AI276442,
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HSDGM42	2093	865828	1 - 3289	15 - 3303	AL523259, AU125719, BE795590, AL523258, BE795814, BE795317, AL043102, BG112721, AU125792, AU136086, BE742689, BF569391, BF316814, BE907570, BF664322, AU131690, BF311863, BE798174, BE296057, BF309140, BF311452, BF683515, BE262674, BE780773, BF307148, BF315533, AL135057, BF315096, BF306755, BF204200, BF975524, BG032478, BF309118, BE899008, BE613737, AU139060, BF033497, BE265209, BE791961, BF310568, BE260290, BE389690, BF206501, BE743864, AU127048, BE929626, AW602055, BE465420, AI681518, AL039392, BF085765, AW578789, AW958474, AI692511, AA126434, BE266650, BE551260, AA431845, BF085767, BF131422, AA149414, AA453874, BE670447, BE262032, BE674819, AV722012, BE384383, W73242, AI741041, AI382171, AI905972, BE263299, BF223537, AI651251, AA716512, BF351061, BF316271, BE674063, AI189326, BG058741, BE966299, BE674064, BE276571, AV747650, AW468178, AA281277, AI768820, BE737249, AI087946, AI670131, AA489320, AA406606, AW406167, AW193326, AW300691, BF954429, AI298196, AA994953, N35424, AA768764, AU152144, AL040191, AU153388, BF155450, AW368562, AW072591, BE263977, AA527704, AI796147, BG232037, N24031, W73297, AI189518, BE384457, AW575451, H40910,

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HSDGM42	2094	886748	1 - 3290	15 - 3304	AL523259, AU125719, AL523258, BE795590,

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HSDHD05	2095	570824	1 - 801	15 - 815	AL515035, AV657079, AL514803, AL515375, AI922901, BE964767, AL514869, BE905408, AI274013, AI866002, AI701074, AI249257, AI868831, AI520785, AW168795, AI633419, AI857296, AI591316, AI554427, AW192375, AI828731, BF344652, AI866608, AI224992, AI799199, BE963918, AL514829, BE965355, AI679990, AW301409, BE967104, AI648663, BF812933, BG120816, AI610645, BF055737, AI620287, AI273048, AI636445, AI554484, AI811344, AI568296, AI912866, AI859511, AW262565, AI590118, AI500039, AL514819, AW118512, AW131954, AI612920, AW196141, AI567351, AI885974, AI690312, AI571551, BF724691, AI252813, AI453322, AW002342, AI569616, AI475451, AI824557, AI702433, AW082040, AW102785, AW103893, AI561299, AW129202, AW148716, AI888953, AI572676, AI433976, BF795712, AI687065, AI539153, AI612759, BE963035, AI624668, AI539771, AI598061, AI919345, AI866801, AI366549, AI636719, AI670782, AW088903, BF816042, AI284020, BE964820, AI952360, AI264741, AI590999, BE393551, AI633330, AI446605, AI682841, AI610756, AW088793, AV746964, AI500146, AI498579, AL036759, AL036361, BE965281, BG168696, BF792469, AW103371, AI680280, AI474107, AW072930, AL036403, AI680165, BE966388,

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HSDIE51	2096	600371	1 - 1419	15 - 1433	AW190593, AA576926, AW753908, AW753902, H25703, H26279, AW023845, AV742328, BE765711, AA325531, AI688740, AC023138, AC023138, and AC015480.
HSDIK31	2097	847087	1 - 1848	15 - 1862	AI376454, AW959865, BG252313, BF984409, AV729385, BG105554, BG167219, BE895936, AL515186, BE876544, BF034788, BG111017, AI064781, AU131717, BE883754, BG169477, AV711421, AA486501, BF667838, AV727633, AW190277, AW968999, AI928909, AU119618, AW971855, BE645220, AV721509, BG109795, BF509233, AI826360, AU137684, BF970536, AA488689, BE222538, AL515185, BE502972, AI814682, W49761, AA527150, AI291439, BG026566, AW148775, BE382402, AI929163, BG168269, AI802485, N32596, AU137520, AV705480, BE467911, AI929789,

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HSDIV37	2098	847088	1 - 1187	15 - 1201	BF213567, BF701399, AI760629, BF185383, AI806536, AI917646, BF939147, BE880004, AI754713, AW952942, BF939152, BE219778, BF670161, AI376056, AA780395, AA417185, AV731475, AV732774, AW084715, AW183049, AA532434, AA635648, BE695914, N72130, BE042776, AI913140, AA417000, H98641, AA649325, AA772842, AI587392, AA451865, AA904492, AW627767, AA535722, AW020939, BF352024, BF570644, AA502183, BF107404,

					R53238, AV740218, AI564120, AI073875, BF541688, H80755, N25757, AA598597, H47620, H05946, BE972437, N31706, AA343834, AI476209, R37916, BE086042, BE048469, AI249265, BF031144, N67594, BF572394, BE769758, AA404407, H99764, BE468185, AA653412, AI474742, Z38173, N28581, AI470480, H69811, H68099, T35218, BF219381, BF448775, N58026, AI400370, AA370081, W00408, R53237, AW578429, N64223, AA878216, AL117599, AC026563, and AC026563.
HSDJC96	2099	753284	1 - 1955	15 - 1969	AI591163, BG116383, BE644697, AI942421, BF996976, BG116196, BF094101, AA588562, BF478079, BF996989, BF029359, BE048554, AI942402, BE327676, AA045481, BF695478, BF102838, AI520886, AI680440, AA016262, AA995170, AI867203, BF941842, BF997010, AI362487, BE865998, BF691875, AW380270, BF515127, AW089784, BF773201, AW978491, AV720307, R82350, C04722, AA830857, AI934005, AI828176, AA635752, AA046708, BG117577, AI985406, AW974237, AV732826, R82405, AI690012, BF572390, AA016994, AI274637, AW609224, AW803601, AI872632, AI829297, BF243814, BF986853, BE545998, D19775, AA046513, BE542209, C01578, AI474871, AA046625, BF030729, BF892423, BF341210, AW861793, D56834, AL514799, BE963337, AA577697, AW083867, AV658534, AV752254, AI419419, AI423034, AA975382, BF219806, T27311, AA601189, AA586389, C14896, AW250254, AA081938, C14476, AA604943, AV684177, AV721781, AA173760, AV723855, AW247058, C14524, T51670, AA082660, AV698682, T90243, BE259741, C14413, AI813587, BF958791, C14817, AI252712, C14578, BE272795, BE407749, BE392215, T49464, AA074578, AA115758, C14841, BE463492, C14173, BF879523, D53514, AA064892, AV650597, AV725013, BE271799, BF313144, D51655, AV722998, AV661913, AV653621, BG163388, AA181167, AV694388, R29281, AI879152, AV658289, AV729579, AV697233, AV683555, AV691621, D53954, AV698336, AV653453, AV694184, AV703796, AV686955, AV719044, W40227, AV698857, AV704809, AV689917, C14592, AV722988, C14015, AV730258, BF832921, AV724006, BE149495, BE314598, C13978, AI435688, AI492777, AV731517, AA075887, AV686223, AA132337, D52085, AV697494, D51323, AV694133, AW833159, AV661912, AI160686, AV660806, AW022610, AV646478, AV685223, BF686384, AV698779, AV651573, C14420, AV686066, AV652675, BE139252, C14213, AI093726, AI189098, AA316380, AW245190, BF768594,

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HSDJE77	2100	741053	1 - 1152	15 - 1166	<p>AI809014, AA952946, AL137847, AL137847, and AL137847.</p>
HSDJF04	2101	695756	1 - 1130	15 - 1144	<p>BF980279, AW450282, AL516887, AA401083, AW294119, AA575965, BE091190, AW157688, AA772999, BE875725, AA194727, AA587240, AW674605, AW952756, T15647, AA195568, AA934715, AI879690, AI805780, AA704912, AI823811, AI399826, AI908515, AI800525, AA063020, T15636, BG171490, Z40639,</p>

					AI205138, H38959, D62778, D61935, R44426, AI147077, BE673917, T16322, R51026, AA602162, AA774755, D54075, AI366535, R43730, R42460, R61338, AW581638, AA338476, AA235850, R39336, Z19747, F01779, BE671901, AW352283, AW902718, AW902545, AW902540, AW902451, AW902704, AW902623, AW902712, AW902716, BE875476, AW902462, AW902702, AW902452, AW902459, AW902467, AW902457, AW902465, AW902701, AW902715, AW418513, AW902464, AW902456, AF131801, and A75368.
HSDJG47	2102	847325	1 - 1916	15 - 1930	AL522801, AL522802, BE891604, BF026518, BF026629, BF724748, BF733047, BE895915, BE390374, BE893092, BF026953, BF001692, N93418, AI088111, AI887771, AU151879, AA707002, BF055012, BE384219, AI972149, AW071896, N29298, AI654338, AI457755, N20232, AA855099, AI264625, AI038391, AI080644, AI348422, AW002718, AA017223, AA017316, AI523722, H72034, AU152085, AI240293, AV697497, N99877, H69927, H69926, BF882871, T16549, AI374702, AI749026, BE546092, AI123781, BF929729, T62860, BE047896, T69743, AV685820, AW880938, T95565, T95566, T62710, D81304, W21459, R10823, R10822, BF850575, BF913033, AA972856, T12554, AW401433, T83634, AW895980, AA506779, BF591929, BF755861, T70727, AK023054, AK025510, AK022526, AK000135, AC005746, and AC005884.
HSDJH72	2103	805971	1 - 1739	15 - 1753	AV755512, AI061313, BE139358, BE139267, AI821714, AI792133, AI791913, AA303007, AW271904, AI821785, BF916934, AA587604, AW872676, AI334443, AW872575, BG249643, AW303196, AI919265, AW502873, AW301350, AV756491, AV763418, AV759935, BF760919, AI572924, AA720702, AI613459, AA984263, AW069227, AL045077, AI591299, AI345695, AI590522, AW327624, AW131457, BE069140, AA577748, AV755677, AV713243, AA669522, AA634837, AA525983, BE393367, AA581903, AV711465, AI254779, AI733856, BF809041, AW571499, AW968341, BE062478, BF916567, AW021774, AW191886, BG236735, AA442176, AI345123, AI753113, AV733239, AA468505, AW020340, AC018511, AF090940, AC005911, AP001705, AC006345, L44140, AF001549, AJ400877, AC006115, U91326, U95742, AC007383, AC004858, AC007216, AL136124, AL353635, AL121928, AC007686, U73023, AC009955, AF134726, AL109930, AP000503, AL096870, AL035464, AL121919, AC002531, AC006571, AC005666, AC010326,

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HSDJL07	2104	895387	1 - 1487	15 - 1501	AL043351, AW269504, AA579276, AA515048, AA551123, AW069769, AV760469, BF725315, AV736489, BF197769, AA651639, AV759632, AI580250, AW275432, AA634889, AV744082, AI061313, AA873573, AI682665, AI054333, AI753113, AL079734, AA502991, AA832077, AA191418, BF816093, BF918036, AA579205, BF991208, BF804385, AA533762, AL042373, AV710482, AW973992, AA714110, AA483606, BE968744, AA651632, R24887, AA908687, AV738383, AA838190, AA679532, AI270117, AA570740, BG223493, BF811714, BE395137, AA559241, AW963663, AW969743, BF809041, AW341978, BE019467, AP001052, AF168787, AC008050, AC006337, AC011465, AC007687, AC008745, AP001752, AP001725, AC011484, AC008569, AC002350, AF243527, AC004033, AL121601, AL353653, AC002369, AL034405, AC012384, AC083866, AL049766, AC007201, AL391114, AC004166, AL109797, AC011450, AJ224877, AC005520, AF038458, AJ012824, AC004611, AC010458, AC006480, AC007957, AP001710, AC005080, AL117258, AC021016, AF030876, AC005015, AC011490, AC002492, AC011455, AC006312, AC007263, AP000501, AC002288, AL035659, AC008623, AL033529, Z98884, Z83844, AL138741, AC007216, AL356299, AL050335, AC004125, AC004975, AL109743, AL021918, AL031295, U96629, AC011452, AC004089, AC005056, AL138976, AC005514, AC010463, AP001207, AL133454, AP001670, AC004382, AC004971, AL034420, AC020550, Z93015, AC005837, AC024952, AC006285, AC006511, AC004386, AP001619, AC010422, AF190465, AC002367, AC007597, AC009302, AL008718, AC004263, AC005399, AC002352, AC022148, AP000692, AC005921, AP000503, AC004876, AC003982, AC004867, AL078638, AC002544, AC002418, AC005020, AC005480, AL121653, AL079342, AL022336, AL354864, AC005225, Z86090, AL031311, AC004840, AL031589, AC005200, AP001681, AC002347, AC005914, AC053467, AP001610, AC009470, AC008521, AL096701, AC011491, AC006449, AC018751, AC020913, Z98051, AP000555, AC002477, AL031727, AF196971, AC006452, AC011497, AC003043, AC005089, AL022323, AL121891, AL353777, AC019171, AC005231, AL133153, AL021154, AL118520, AL160231, AC008848, AC023490, AC005207, AL031685, AC004707, AP000131,

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HSDJR49	2105	741079	1 - 1436	15 - 1450	M78055, AW965008, BE895796, BF028713, AV762783, BF674817, AV760723, BF915535, BE798520, AV720570, AV718718, AV729960, AV719402, BF346320, BF813805, AU119532, AA629679, AI132963, BF965231, AA603421, BF589864, AA908857, AA586458, AI469599, AW963982, BF699652, BE393367, H73550, BE300070, BF038189, AW503900, AI040051, AW858117, AW401509, AU148007, BE019467, AI151261, AL120343, AW105729, BE294700, AW600804, BE139267, BG059972, AV722075, BF877926, AA486559, AW903790, AC005037, AL022323, AC004797, AL121936, AC008745, AP001725, AL035587, AC004257, AL034405, AC005098, AC004019, AC005839, AC008267, AC008747, AL121658, AL136300, AC004867, AL035249, AC011500, AC002301, AC005041, AC004166, Z86090, Z83844, AF134726, AC004477, AC009079, AC008403, AJ246003, AC004840, AC005740, AC005245, AL096791, AC008079, AC005399, U95742, AC027644, AC002395, AC005529, AC004491, AJ400877, AL022238, AC000353, AC006483, AL023553, AL031295, AC011495, AL135787, AC008760, AC020906, AL354720, AC005183, AC010422, AC004883, AL008582, AL109936, AF001549, AC009123, AF109907,

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HSDJV24	2106	806246	1 - 2315	15 - 2329	AV682826, BE612948, BG168092, AW955746, AI922027, AV726864,

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HSDJV40	2107	623716	1 - 1579	15 - 1593	AA134472, R76288, R76565, AV714931, BE541237, BF762282, BE538259, BF762278, AV734401, AL526458, AL044340, BE867712, BE796439, AA577824, AI866487, AV762145, AA130758, BE387756, AW248523, AA613164, AI160144, AL515875, AU144517, AW023111, AV756348, AA524604, BF826830, AV738383, AV756491, AW963623, AW270385, AI954248, AL135927, AC007227, AL022323, AC020917, AL157838, AC006483, AC005874, AF134471, AC004638, AC011475, AC011442, AL008730, AL035704, AL109804, AC011811, AC005081, Z98036, AC005808, AL163300, AC008403, AP001752, AL009181, AC007963, AL109758, AC005519, AC002302, AC011497, AC005971, AL161936, Z97056, AC011895, AL365505, AL132855, AC007956, AF045555, AL109984, AL049779, AC008750, AL049776, AC011450, AC006345, AP001748, AC004491, AL080317, AC005207, AB026898, AL133545, U95742, AC003043, AC006312, AC010618, AC009247, AC002059, AC005632, AF038458, AC008745, U80017, AC008521, AL034548, AC006329, AC005004, AJ011930, AC011495, AC005049, AP000502, AC027319, AL139396, AL132777, AC007011, AC006023, AC010422, AP001716, AC008264, AC008736,

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HSDKA64	2108	600372	1 - 1569	15 - 1583	AI769271, AI345123, AW021774, AL045077, AI591299, AI590522, AL037910, BE142930, AW302048, AU125644, AV763418, AV759935, AL045709, AW975164, AV729960, AI344810, AI590459, BF725504, BF304325, AW833862, AA720702, AI334443, AI865213, BE139267, AV712414, BE270471, AW075979, AI284640, AL048925,

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HSDKE82	2109	821579	1 - 1420	15 - 1434	AC010415, AC026800, and AC008682.
HSDKF96	2110	839730	1 - 1696	15 - 1710	AU154340, AU151442, AI061313, AA584655, AW104788, AW963444, AV720457, AI625431, AW341955, AV764259, H29914, AI799545, H94853, AW341882, BF991881, AI985795, AL449690, N90460, AI922224, AA904211, BF991882, AA176978, AW023111, BE252421, AA364006, AA074252, AL045476, AI445224, AA722336, BG003443, AI719298, F35374, AI889579, AA643770, AA243976, AW518140, AW513905, AI922231, AW878926, AW847450, BF840062, AI309059, AL449689, AV720475, BF764034, AI054326, AW439703, F23264, AI680547, AI679759, BF885741, AA719523, AL138743, AL121652, AC019183, AK023053, AC007436, AC021016, AP000031, AP000066, AK023007, AK001665, AC008074, AL049843, U15177, AL139390, AL008635, AC003982, AL139396, AC002369, AC006333, AC002425, AF109907, AC005189, AC005015,

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HSDZO08	2111	827460	1 - 2265	15 - 2279	BF685272, BF529157, BF570016, BF685498, BE263686, AW960731, BE887166, AW821611, BF128705, AV690527, BF852124, AW821610, AA679300, AW821586, AU154365, AU150711, BF852355, AI807399, AU154312, AW880912, AW821589, AI804356, AW247200, BF846667, AA626071, AW139721, AI201222, AA477292, AW821588, AU151642, AI368152, AW952753, AI360170, AI016463, AW297902, BF727193, AA773068, BF846666, AW402076, AI130792, AW821612, AI379309, AI620719, AI753902, AI348187, AI360112, AI275457, AW248223, AI024997, AI476569, AA234319, BF061404, BE047673, AI318432, AA477291, AI141741, AI721268, AU145825, AI275022, BE253259, AI279077, AI277692, BF948061, AA402067, AI339008, AW948645, AW579024, AW948644, AA683067, AW304027, AW948646, AW393608, Z99396, AI889216, AA398928, AA448658, AI027410, AW821614, AA351393, AV685375, AW604896, H51123, D80741, AV660994, AW948730, AW948737, AW948743, AA437203, AJ239447, AA724225, AI863329, AA233200, AI002123, AW948738, AA972588, AV685374, AW948716, AW948729, AW948722, AA426454, AW393604, AI753730, D80740, AW948723, AW948721, AW948732, AW948740, H24981, Z99395, AW948733, AA904462, AI498750, H51162, AI863881, AA243981, AA338478, R40241, AV660979, T31304, AW948712, N50719, AW948720, AA234562, N84128, H44192, AA927026, AA338479, AW948714, AI926473, T31202, AI658531, AW948741, AW948642, AA102024, BF848877, AI187790, AI888003, Z42643, H10922, BF953319, AW821613, AA295335, AA757458, AI338200, F02144, AA729498, AW073793, T31924, D80728, AA351392, AI859457, AW302537, AW748072, AW948690, AA448754, AA323023, AW821608, AW821616, AW821615, AA324334, AA375121, AI801671, AA244213, BF823046, BF823047, AA493834, AW948707, BF734319, AI889532, BF514419, AA216272, BG152434, AA070683, AA099201, BG056243, AA127415, AA809374, AA617988, AA848038, BF902316, BE843583, AW945481, H44193, BE699302, H10865, BE924909, T06144, AA812285, R73802, AA897342, AW821609, AW079171, AW071437, AA326090, C01920, AV733497, AL117432, AF082516, AB023192, AK001505, A81344, AC006208, AF144133,

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HSDZQ96	2112	809112	1 - 694	15 - 708	BF967825, BG060116, BF513511, AI871421, AA702027, R85929, H29052, AI084152, H51124, R85483, R15453, R56135, R89620, F04686, M78730, H52732, H09019, T16608, F03984, BE964512, BG164558, AL515041, BG058217, AI802240, AL513813, AI890806, BE963968, AI701975, BF826445, AL513741, AV738991, AI744923, BE964110, BF125935, BF960601, AW081255, AL119791, AA830821, AI475267, BE886728, AL513839, BF038804, AI690946, AI955906, BE155168, AI440263, AI475455, AW268072, BE972180, BF885000, BE875407, AW301300, AI349598, AW075207, AI343037, AI345735, AI932638, AW074869, AI918408, BE138712, AI307210, AI571861, AI336662, AI313320, AI313352, BE964276, AW022682, AI307503, AI573038, W52977, BF872670, AI349787, AI349266, AI334452, AI344938, AW243886, AI312146, AI312339, AI309431, AI340537, AL041150, AI345258, AL036664, AW269097, AI307459, AI766980, AI289310, AI307507, AI340627, AI311604, AI349805, AI340603, BF970990, AI348897, AI349269, AI312333, AI862144, AW193134, AI310945, AI648408, AV757816, AI567612, AL036631, AW059828, AI433384, AA012905, BE964078, BF339594, AL110306, AI254226, AI282355, AI241763, AI582912, BE965192, BE895765, AI890507, AI446405, AI696983, AI929108, BE905366, BF904189, BE901562, AI371228, AI345114, AW268253, BF752999, AI349256, AI277008, AI312152, AA579232, AL515163, AW044029, AI886415, AI475151, AI310920, AW075084, AW160386, AW075413, BF925348, BE965621, AI349622, AI349937, AI343112, AI359163, AI334884, AI307708, AW148320, AI888621, AI500659, AI312325, BF343568, AI589267, BF924856, AI500146, BE885353, BE011885, BF870463, AW089689, AW194185, AI802372, AI582871, AI307520, AW089572, AI648508, AW071362, AI336513, AI419374, BG030538, AI281867, AL036925, AI554821, BE904051, AI269580, AI348895, AI312431, AI002285, AI336495, AI499146, AI923357, AW583117, BF036448, AI631216, AI310925, AI950664, BE897632, AI340519, AW162189, AW082623, AI312399, AI887775, AI885949, BF753053, AI306613, AI307543, AW168296, AI457188, AI345251, N27632, AW071412, AW084056, BG178911, BE962014, AW071395, AI702301, AI868204, AI889168, AI349246, AI340659, AW071377, AI311159, BE537531, AW068845, AI312428, AI612885, AI340644, BE138684, BF814447, AI345315, BE895585, AI334930, AI309443, AW130863, AI271234, AW079736, AI866798, AI310930, AI343131,

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HSEBB18	2113	877813	1 - 1283	15 - 1297	AI936931, AW518905, AI458064, BG222315, AI923997, AA531284, AI479973, AW024180, AW005113, AA847872, AA505027, AI355143, AL042127, AI336381, AI424031, AW504254, AI089878, BE046499, AA400952, AI342108, AW628184, AI097223, BF060687, AA938711, AW383161, AA460357, AA010666, AI192552, AI908882, AW504277, AW592979, H15439, AI493630, AA278817, AA478389, AI498084, BG056793, N91521, Z44046, BF436534, AA744632, AA505028, AA811654, AI252821, AA278939, R56403, BE858898, AI925800, BG152566, AI936927, AA262635, AA029464, AI335665, AI969845, AI244768, AA514247, AI824620, H18865, AA805984, AA480286, R56402, BG152589, AA460791, BE242532, D29143, R16356, AI362966, F09242, AA903201, R13899, AI365085, AA480230, F04067, F04063, AW474280, AA401031, AA864921, W06956, Z40088, AW505033, H18864, F07810, R42303, AA029530, AA011256, AA732625, F11587, F07804, AA627125, H14779, and AK000012.
HSFAM19	2114	691371	1 - 1420	15 - 1434	AX012972, AX012960, AX012971, AX012959, AJ001366, Y13431, Y13430, U04294, Z34264, AC026660, and AC026660.
HSHAG54	2115	834781	1 - 1487	15 - 1501	BG110965, AU123333, BF684670, BG250445, BG256466, BG110347, BG108562, BE779899, BG111035, BE894519, BE258919, BE892464, BE258862, AV745742, BG165519, BE536116, BF342711, BF698304, AV745439, AV745492, BF247318, AV745545, AV745748, AL121352, AV745397, AA902652, BE252720, BG254421, AV745862, BE386171, BE539498, AV745486, AV745487, AI064982, AV745908, AI623442, AA315091, AA223257, BE882954, BE897429, BE890623, BF229653, BE888410, BE614440, BE537546, AW172690, AU151310, BF229643, BF229658, BF229646, AU147003, AI361681, AU151761, AI369191, AI991998, AW673978, AI802977, AI356411, BE048482, BE208289, AI268723, AA312171, AI349495, AI189765, AA640326, AI380232, AI765733, AW237466, BF229722, AU121975, BE245655, AI435877, AA587665, AI559610, AI005223, AI889602, AU151355, AI087129,

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HSHAS72	2116	835991	1 - 4402	15 - 4416	AL521198, BE613159, AL521199, AW936890, BG170083, BG111761, BG167107, BG034471, AW952040, BG171558, BG117193, BG260922,

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HSHAX04	2117	812178	1 - 1273	15 - 1287	AL518245, AL513560, AL518244, AL527318, BE796445, BE729339, BE794797, BE729215, BF570366, BF969527, BE513213, BE797077, BE409736, AV715789, BE729781, BG165883, BF569872, BE730249, BF025786, BF971834, BE747502, BF974060, BF127469, BE394313, AI192460, BE277674, BE387113, BE408890, BF243019, BF685280, BE252479, BE274070, BE386787, BF686552, BE408335, BG179144, BG253243, AI193657, BE383115, BF109402, BE727996, AI978927, BE747511, BE313903, BF027209, BE394458, BG167026, BE387005, BE257613, BE395496, BF127655, AI819133, BE408659, AV701134, BF975755, BE297737, BE276425, BE257900, AW467999, BE409043, BF129135, BE621412, BE251025, BF132821, AV701355, BE736137, BF684777, AA151920, BF205110, AA476567, BE393897, AI589910, BE393107, BE266145, BE390224, BF132684, AA746035, AW406080, BF438288, BE745519, BF238211, BE258291, BE385352, AA224497, BE789268, BF237992, AV701339, AA476450, BE389845, AA922493, AA058904, AV712372, AA809660, AI972258, BE390228, AA031495, AI128546, AA033810, AA934757, AA031586, AI167713, BG111292, BE266333, AV736079, BE294483, BF132501, AI086942, AL513559, AI749671, AA904234, BE410720, AW069373, AA535057, BF835180, BF000188, AA224434, BF591243, AA037753, BF856066, AI189102, AA338222, AI284100, AI198266, BF239384, BF834463, H45086, AI079772, AI620932, W87609, C75448, AI498905, BE621931, AW272369, C75433, H45164, T68206, C75434, AA039244, AW473012, C75456, AA043857, AA627969, AA961372, AW192043, BF759521, AA643805, BE048627, AA916520, AU117291, AA327300, BF836781, AI247228, BF836803, AA480241, AA768298, AI187734, AF104012, AF042385, AF042386, AF104013, AL049824, AF182825, AR088270, AL033526, T57534, H45163, N79482, W87900, AL354888, AL354888, and AL049824.
HSHBT15	2118	581088	1 - 1530	15 - 1544	AL528422, AL528393, AL520626, AL520627, AL523276, AL530988, AL520585, BE783301, AL520584, AL530987, AI218759, BF000152, AA465052, BE327503, BE674480, AI912211, AI597798, AW268385, N57571, AA613301, AI679459, AA432374, AI741883, AA464983, AI470318, AW614128, BF223302, AA431380, AA916626, AI401188, H86955, BF913327, AI352054, BF913903, H86959, AI860619,

					AL121712, AF155233, AF125377, AJ245659, AC006385, AF153502, AJ245658, AJ245660, AF131208, AL121712, and AL121712.
HSACE85	2119	855969	1 - 1211	15 - 1225	AL522978, BE895232, BG249795, BG109403, BF684731, BE295293, AL135502, BG115511, BF307855, AI459717, AA315362, BE910611, R11887, AV649022, AW578000, AV649009, AV649131, R77528, AV648997, Z45961, R51259, C17824, H09471, H90225, H80033, C18488, W84864, C17589, AI526071, C16643, AV682163, C16811, BE926416, BE766652, D12041, and AL031427.
HSIAC81	2120	783076	1 - 1899	15 - 1913	AW242457, BE897364, AV684106, AI796175, AW235567, AI796110, AI769978, AI433547, AI928348, AI628133, AI832303, AI628377, BF195862, AI627946, AV719648, AW271963, AI431929, AW779868, AW195684, AW237677, AW235515, AI590338, BE326598, AI473197, H60622, AV659846, AI700801, AA376807, AI261896, AW028505, AV654192, AW242447, AW611609, T83017, AA923053, H60623, T90211, AI492397, BE895704, BF591955, AX040086, AB017913, AF317840, AJ278964, and U50545.
HSIAF66	2121	853381	1 - 2178	15 - 2192	BF847477, AA376933, AC007250, AL161725, AL049872, AC024952, AC007250, and AC007250.
HSIAP01	2122	897538	1 - 1371	15 - 1385	AI681289, AW250880, AW963386, BF569148, BF568893, D80962, AI291148, D60025, D59869, AW450291, D81530, AI453192, AL535789, D52564, AI699978, BE300262, AI332371, D52224, T10042, BE261499, D61186, AA377091, BF984077, D53784, D61262, AA371914, AW084548, AA773544, AA861433, D61178, AI216901, AI962069, T95615, AW615652, BE047157, AW966075, AW966065, C14389, AW973473, AW978648, AV699927, AW973334, D80164, AW964488, AW978634, AW975618, AV718844, AW966053, AW966534, D80227, D59927, AV720878, D80391, AV720203, D59787, AW973488, AV718770, AW966029, D80248, C15076, AW956434, AW964468, AW960473, AW960465, AW978661, AV719557, AW966022, AW966531, AW959799, AW975605, AW973490, D59859, D80269, D51022, D58283, AW966041, AW949633, AW966059, D59502, AW966013, D80196, D51423, D59619, D80210, D80022, D59275, D80240, C14331, D80253, D80166, AW973474, AW964756, D80195, AW973445, AW975621, AW949645, AV718440, AV720028, AW975613, D59467, D51799, AW965163, AW960553, AW973541, AV699447, AW966030, AV719822, AV720791, AW966054, AV718489, AW958993, AV718692, AW966050, AV719188, AW973307, D80043, AW949641, AW966062, AW949653, AV719324,

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HSIDA33	2123	784543	1 - 542	15 - 556	R84229, BE855812, AW965963, AW731720, AW405560, AA971968, AA996342, AW339945, H53438, AA719945, AI682436, AW809527, AW085268, D45315, BE676480, AI863597, AI419590, H69541, AI002247, W03933, H67340, AI138274, AI648605, D45320, BF365277, AI610448, AA362755, AW961855, AI769304, BG261213, AI708290, AA805158, AA521175, BF823434, BF328066, R26488, AW978001, AW270686, BG260283, BF946490, AA627276, AF113007, R26510, AC008121, AC008121, and AC008121.
HSIDA39	2124	604958	1 - 775	15 - 789	AA725491, AV699745, AV699463, AW970081, AA482865, AA482861, AA513980, AV699668, and AV699335.
HSIDZ25	2125	658721	1 - 1677	15 - 1691	AW474005, AV734452, AC004962, AL133325, AC023634, AC023634, AC025106, and AC025106.
HSIEB64	2126	651359	1 - 2134	15 - 2148	AI859166, N39585, N46732, AA628729, AA988185, AI820630, AA362092, BG024098, AL049779, AL157791, AL132639, AL133299, AL034347, AC022459, AC007677, AC002422, AL133405, AC007157, AC013410, AL137003, AC002112, AP001696, AP002027, AL109653, AC026694, AL022151, AC004072, and AL133321.
HSIEM18	2127	566877	1 - 1097	15 - 1111	AW966636, AI761241, R76994, R69702, AI198828, AA385711, R77002, AI769569, AI126293, AW513171, AA772139, BE092498, AA325730, BE834234, AA598550, AP000865, AP000865, AP000865, AP000870, AP000870, and AP000870.
HSIFO61	2128	845026	1 - 2136	15 - 2150	AL532424, BE796156, BE903161, BG119647, BG115219, AV699322, BF002481, AW194103, BF038249, BE906258, BF182905, BE501114, AW518690, BE537490, BE547105, BE512805, BG115212, AW575036, BF448095, AV689102, BE465647, AA570483, BG117796, BF739874, BE889876, AW958913, BE887067, BE872403, AW611943, BE384518, BE622262, AV683442, AW571485, BG108121, AW247071, AL134627, BG117816, BE967159, BE740380, BE903834, AV705406, AV685709, BG057337, BE390982, AA532739, AI950034, BF770215, BE255357, AI831065, AI791597, BE793003, AW025209, BF027150, BF983938, AI733101, BG115901, AW072315, AW088486, AW250423, AW027992, AI872396, AI822039, AI978692, BF350738, AA526905, AV698580, AA004890, AI521711, AI859462, AI589001, AW062708, AI149487, BF362487, BE960754, AA932997, AI709015, AW269349, AW269185, AI140101,

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HSIFO61	2129	852715	1 - 2224	15 - 2238	AL532424, BE903161, BE906258, BE887067, BE796156, BE622262, BG119647, BG115219, AV699322, BF002481, AW194103, BF038249, BE547105, BF182905, BE501114, AW518690, BE889876, BE537490, BE512805, BG115212, AW575036, BF448095, AV689102, BE465647, AA570483, BG117796, BF739874, BG115901, AW958913, BE872403, AW611943, BE384518, BF027150, AV683442, BE903834, AW571485, BG108121, AW247071, AL134627, BG117816, BE967159, BE740380, AV705406, AV685709, BG057337, BE390982, AA532739, AI950034, BF770215, BE255357, AI831065, AI791597, BE793003, AW025209, BF983938, AI733101, AW072315, AW088486, AW250423, AW027992, AI872396, AI822039, AI978692, BF350738, AA526905, AV698580, BE960754, AA004890, AI521711, AI859462, AI589001, AW062708, AI149487, BF362487, AW401864, AA932997, AI709015, AW269349, AW269185, AI140101, AA725306, AW002658, AA481316, AI554225, AV651040, AW516405,

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HSIGC63	2130	877486	1 - 1736	15 - 1750	BF673354, BF368956, AI572680, BF679568, AW021674, AI921744, AW023975, BG059139, AV758849, AI444575, AA604601, BF944618, AI797998, BF030278, BG059924, BE049409, AI744963, BG180320, AI278972, AA489897, AW148821, AI702049, BF817511, AW265468, AI813920, BF813805, AA513916, AA595661, AL121039, BF030025, AW192930, AA828840, AI890283, AL138262, AW028376, AV763460, AI734076, BF849270, AI052366, AI567676, AA502450, BF131490, AW239465, BF815277, AU147781, AW850744, AA632355, BE747923, AA676462, AW410844, AA176978, AL038533, AW966254, AC015651, AF205588, AL353748, AL161936, AL080243, AC005821, AL035413, AL121712, Z98044, AC027319, AC007957, AF107885, AC005785, AL034375, AL136418, AC004847, AP001670, AL020997, Y18000, AC004228, U91326, AL117337, AC006088, AC006146, AC005937, AC012309, AC004263, AL109827, AC007564, AC005618, U95739, AL161670, AF196969, AJ295844, AL122001, AC009506, AL132659, AL049547, AC004882, AC005529, AC008537, AL031657, AP001759, AC007226, AC003025, AC005876,

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HSJAN83	2133	825132	1 - 1078	15 - 1092	AA579179, AW974932, AV763354, AW833862, AV760937, BE139267, AL046409, AI733856, AI358089, AI801482, AI963720, AI246796, AA491814, AV764241, AI431303, BF941382, AW974109, BG222269, BE139358, AW419262, AW270619, AI085719, AW502975, BE206443, AW265385, AW500125, AL037683, AV711430, AW970877, BF681619, AI284640, AA410788, AA572813, BF827410, AV740801, AV710482, AF074677, BF677892, AW975266, BE139146, AV761925, AA904137, BF724767, AW979093, AA552856, AV761519, AW193265, AA828047, AW574794, AW327868, AA634837, AA610491, AI334443, AU147162, AV762009, AV728928, AW162288, AA525190, BE049095, AV755512, AW613805, AA420716, AI003611, AI305766, AV757607, AV763122, AI350211, AI623764, AA631507, AA535216, AW276827, AI345681, F36273, AW979060, AI345675, BG169853, AV710066, AA601253, AW327624, AI754653, AI281881, AV691147, BF940837, AW276435, AI613280, AA720732, AI761471, BF939548, AA521323, AL043009, BF681576, AI270117, AW406755,

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HSJAQ10	2134	853383	1 - 940	15 - 954	AW974649, AI565678, AI557253, AI884829, BG115473, BF732694, BF028809, BE708538, AI742824, AI310376, BE709689, AI074990, AW083950, AW780093, AI274965, AI370788, AA446906, AA689548, T19547, AI240590, AI784365, AA928104, BF107481, AI468581, AW135687, AI273790, BF026195, R00798, BE775026, AW051590, AA947261, AA548666, BF668036, BF215858, AI621013, R00799, AW236521, T16466, BG033622, R41580, BE773424, AA678698, AA873759, AW518565, AW182439, R54274, AA092826, T19546, BF665200, AW805097, AA514391, AL049764, Y12860, AL049764, AL049764, and AL049764.
HSJAR59	2135	846364	1 - 527	15 - 541	AW304291, AA564975, AW410860, AL513787, AI583543, AW409995, AI754730, AW081488, AI628690, AI680158, AI458812, AI554800, AW409941, AI951461, AW410076, AI473801, AL513963, AW304715, AI433601, AI888474, AL047505, AW574561, AW575020, AW575106, AW574587, AI627864, AW574808, BF204790, AW574853, AW410575, AA595082, BE439746, AL048387, AI560211, BE906266, AW271250, AI673361, AL515063, AL514495, AI554497, AI687241, AW575027, AW304305, AI635621, AI818979, AI819975, AI628883, AI357873, AA604818, AL515071, AI434495, AW328633, AW574557,

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HSJAU93	2136	702019	1 - 1128	15 - 1142	AL523831, BE536943, BF568861, BE391349, BF981548, BE276688, BE385136, AW193687, BE790217, BE253177, BE551724, AL043161, BE393745, AW593303, AI096399, AI678769, AI083920, AU160243, AA614760, AI356496, BE266412, BE252184, BE901876, AI827252, AV762927, AI494245, BE902163, AW026766, AA579859, BE501445, AA845317, BE392841, AA837461, AI961686, BE383216, AA176164, AV746667, AW452790, BE205915, BE703237, AW511641, AA984500, AW150381, AI014673, AW967320, AI652026, BF312210, AV746666, BE258346, AW327500, AA171551, AI990752, AW237061, AA953092, BF851810, AI653702, BF062006, BG120852, AI040243, AA171879, AW250458, BF526285, BF569088, H05631, BG255019, AI453299, R43419, AW247097, BG164599, AW117744, AI557700, AU152402, AW374961, BF508069, AA171939, BF568566, BG165720, BF349124, AA336275, AW449410, AI863619, AA768725, BF841101, AA161220, AA160815, AI932696, C20767, BE867370, AA159122, AB033099, AK024028, AK001571, AK025865, AC026283, AC026283, AL157945, and AL157945.
HSJAY14	2137	813220	1 - 1438	15 - 1452	AL538477, AL538478, AA115140, AL119197, AW138594, AA280103, AI142854, BF966565, AA826342, BG178230, AA460694, AA203628, N56953, AA425344, AA460868, AU144068, AI761083, AU146971, BF109580, AW965504, BE673245, AI524818, AA447470, BE464061, AI658696, AI423380, AI338965, H11540, AW069249, BF112012, AU146230, AU157812, AW299871, W38898, AI275122, AW340682, AU157572,

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HSJAY14	2138	880981	1 - 1438	15 - 1452	AL538477, AL538478, AA115140, AL119197, AW138594, AA280103, AI142854, BF966565, AA826342, BG178230, AA460694, AA203628, N56953, AA425344, AA460868, AU144068, AI761083, AU146971, BF109580, AW965504, BE673245, AI524818, AA447470, BE464061, AI658696, AI423380, AI338965, H11540, AW069249, BF112012, AU146230, AU157812, AW299871, W38898, AI275122, AW340682, AU157572, AU157973, BE328398, AI039694, AA826343, AW271286, AI192947, W01278, AI078353, AI623122, AW293087, AA699696, BF940212, W90078, N54922, AW316610, AI189720, AA334994, AI091748, AI265915, AA035569, BE220636, AI681773, AI922902, AA704225, W90028, W90156, Z43610, N26473, N80735, N46339, N22141, R59761, AI702181, BF446901, BF478020, AI468447, AA907544, W90204, BF093175, BF093183, N49280, BF093182, BF377786, BF093180, H14783, F06663, AW162629, H90084, AW841861, AI273941, AA218898, H17532, AW244034, AW134892, AA446663, BE045884, R37769, AA476341, R84513, AA044866, H29043, AA035059, T96929, H89994, AI783518, AW051211, N35523, AU117165, R57770, AA115363, AA730657, AU120043, AU138913, W07532, BE767977, N49522, BF247400, AA424277, AA476391, T27986, AA078782, AA075788, AA065236, AA090609, AB037775, AK023630, and AK025468.
HSJAY14	2139	888485	1 - 1438	15 - 1452	AL538477, AL538478, AA115140, AL119197, AW138594, AA280103, AI142854, BF966565, AA826342, BG178230, AA460694, AA203628, N56953, AA425344,

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HSJAY14	2140	901635	1 - 1438	15 - 1452	AL538477, AL538478, AA115140, AL119197, AW138594, AA280103, AI142854, BF966565, AA826342, BG178230, AA460694, AA203628, N56953, AA425344, AA460868, AU144068, AI761083, AU146971, BF109580, AW965504, BE673245, AI524818, AA447470, BE464061, AI658696, AI423380, AI338965, H11540, AW069249, BF112012, AU146230, AU157812, AW299871, W38898, AI275122, AW340682, AU157572, AU157973, BE328398, AI039694, AA826343, AW271286, AI192947, W01278, AI078353, AI623122, AW293087, AA699696, BF940212, W90078, N54922, AW316610, AI189720, AA334994, AI091748, AI265915, AA035569, BE220636, AI681773, AI922902, AA704225, W90028, W90156, Z43610, N26473, N80735, N46339, N22141, R59761, AI702181, BF446901, BF478020, AI468447, AA907544, W90204, BF093175, BF093183, N49280, BF093182, BF377786, BF093180, H14783, F06663, AW162629, H90084, AW841861, AI273941, AA218898, H17532, AW244034, AW134892, AA446663, BE045884, R37769, AA476341, R84513, AA044866, H29043, AA035059, T96929, H89994, AI783518, AW051211, N35523, AU117165, R57770, AA115363, AA730657, AU120043, AU138913, W07532, BE767977, N49522, BF247400, AA424277, AA476391, T27986, AA078782, AA075788, AA065236,

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HSJBB27	2141	581089	1 - 1181	15 - 1195	AC009965, and AC009965.
HSKBU03	2142	839271	1 - 528	15 - 542	AA633438, AW959664, AU151406, BE789346, AA875827, AW609045, AI370463, N32919, AA835869, R98574, AI985952, AI244132, BE930760, AI985855, BG108536, AA662022, BE502108, T30161, AW377207, H96222, H89509, Z40984, H67785, BF338115, AA070702, AI624779, H82440, AA304862, BF095138, AI360226, AF114082, BE002536, BF094855, BF753746, BF094835, AW858741, BE297183, AW858742, AK001469, AK025575, AL139317, and AL139317.
HSKCQ51	2143	651376	1 - 535	15 - 549	AW411432, AI830945, AI141739, AA569352, N36100, AI093588, AI978744, AA129607, AI131280, AI697330, AA572769, AA179828, AI270378, AI697452, AA613934, AA171976, AA180412, AI830868, AI591380, W78160, N24863, AI640733, AI658493, AI658483, AI818147, AI066480, AI038151, AI074418, AI827350, AI431691, AA970308, AI079578, N90891, AA227163, AA464520, AA084338, AA612938, R51916, AA459310, AV723798, AA421653, AA347837, R78942, AW673014, F34347, BG057969, AW517794, AI202612, BF931838, H44340, N80888, AW080737, AA218676, T46961, R22209, R62938, AI033297, AW290974, AA243222, AA613817, AI184234, W20465, H53863, AI081667, AA515732, N27571, AI086770, AA203147, AA844367, W07621, AW081995, AI682869, AI751146, BG222608, AI751145, AW883989, AA464519, BF943589, BF943592, AA218772, R53199, AA004374, AI991900, AI709128, BF943544, BF943550, AV750071, BE762510, AA399173, H13879, AA366837, W79827, AW390238, AA421652, AI306411, AA394149, AA457734, AA287130, BF943546, AA284681, AA569579, AA641053, BF943548, AA453151, AA480845, H44339, AA377667, AA868146, AI521845, N31800, AI025127, N44105, W38558, H44552, AW004691, AF166125, AL110205, AL020996, AL020996, AL020996, AC016514, and AC016514.
HSKDE13	2144	845997	1 - 1693	15 - 1707	BE619048, AW015267, BF792310, AA829637, AW298133, AW195619, BE644832, AI075330, AI800632, AW117246, AI814628, BF438436, BE465848, BF055468, BF732623, AW466932, BE857438, BF059323, AI762516, BF448673, AA447344, AW170199, BE467164, BF194889, BE677847, AA497142, AI742735, AW888896, AA490551, AW274709, AA496952, AI017467, AW005357, AA418710, AA497066, BF129818, AI762276, AI131551, AA463597, AI761398, AI753058, BF063498, BF109376, AW194616, BE220193, AI371068, BE670996.

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HSKDS47	2145	719749	1 - 1145	15 - 1159	BE561430, BF335576, AW006774, AW578467, AW578450, AW578458, BF334268, N39362, W78823, AI123756, AW664969, AA629774, BE858249, AA699863, AI037904, AI950886, N27889, N21057, BF335562, BF335601, BF335561, BF335580, BF377080, N23763, BF335567, BF335569, BF335582, BF335584, AW955963, H82652, BF377072, H08729, AI097598, H40038, BF439998, AA627688, AI673647, H18949, BF377041, AI418869, T78923, N56145, T78976, D59376, BF335565, BF594216, AA662311, AA888179, BF805037, AW578449, BE763273, BF832711, R67295, AL136125, AL138722, AL138722, AL136125, and AL136125.
HSKHV81	2146	841590	1 - 946	15 - 960	BF984405, AI239622, BG180976, AL049776, Z95331, AL117354, AL031728, AC010328, AC003029, AC005249, AC009123, AC011495, U85195, AC007225, AE000658, AL023575, AL031864, AC011510, AC011742, AC008178, AC073316, AC010422, AL109825, AC005412, AL162430, AC008265, AC020663, AC006057, AP000065, AL158828, AL031723, AC009086, AL133412, AC009316, AL391833, AC019187, AC010463, Z93023, AL133260, AC004605, AB017335, AD000864, AC009600, AC008018, AC018633, AL021331, AJ007973, AC009783, AP000959, AL121900, AC005038, AL137818, AB004907, AC005225, AP001727, AL031281, AL133551, AL139352, AC002054,

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HSKXB14	2147	834517	1 - 1051	15 - 1065	BF339566, AW157432, AI858038, AW291468, BE326555, Z99349, BE219474, AI912298, AA931794, AW293181, AI380933, AI963988, AI081132, AW368492, BE217733, AI096761, AV728764, M78991, AW966134, Z99348, BG056921, BF433561, BF365839, BF365840, BF365828, BF358212, M62256, BF217030, AA334740, AI651824, BE218774, AC025664, and AC025664.
HSKYR49	2148	806548	1 - 2617	15 - 2631	BF341928, BF341966, BE873145, AW961717, AI910855, AI819835, AA781124, AW305005, BG121749, AI857662, AI024636, BG122356, AI916781, AI970596, BE672071, AI863009, AV722622, AW293479, AI049685, AW341408, AL121112, AI122833, AA969846, AL039333, AW817588, AI990539, AI651123, AW193556, AI498086, BF834700, H79471, R26882, AA219158, R91091, H17608, AL039445, R91092, R31387, R23518, AW803046, BF109077, AI142857, R10037, R32884, AA347569, BF834534, M85476, AW274689, BF475648, AW772243, AW663642, R27113, AW104356, AA725854, AW590613, AW511169, AW002471, BE251884, AA935275, AI636784, BF361654, AA219015, AI066606, AW086470, BE251491, AI016503, BE255463, AW294439, AI204388, BE699305, R44650, AA993995, AW950531, AW949530, AW961373, AW959982, AV706136, AV704490, AV704611, AV729316, AW966684, AW967372, AV728199, AW960406, AV702110, AW958225, AW959275, AV727047, AW963866, AW962367, AV703591, AW952176, AW951793, AW963463, AW954413, AW957517, AV653846, AW963234, AW955139, AV726572, AW955904, Z40219, AW963895, AV706991, AV701876, AW960271, AV703187, AW963644, AW957428, AW960611, AV708035, AV702814, AV705803, AV702402, AV653872, AV707705, AV728289, AW955629, AW964203, AV692197, AW952184, AV726742, AV725930, AV727637, AV705607, AW965869, AV706758, AW963641, AW950143, AW950018, AW951740, AW950874, AV726755, AW960606, AV649120, AW951182, AV702146, AV704029, AV728929, AV729285, AW963804, AW954000, AW964040, AW963616, AV694684, AW953809, AV652026, AV702738, AW950520, AV707067, AW949712, AV692939, AV687015, AW953797, AW964036, T17285, AV649566, AW955683, AW953788, AV658162,

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HSKYU81	2149	899335	1 - 1865	15 - 1879	BF980384, BF980216, BF036260, BG165487, BE887929, AW273517, AV728660, BG122056, AI564297, BF037874, AI341560, BF432415, AW575480, BE327112, AL517360, AW804490, AJ239463, AI912446, BE018235, BE179760, AW937838, AW580897, AI148430, AA707142, AA115102, AI075938, AW610142, BG010507, BE504481, BE899450, BE899499, AI279261, AW580826, AW610145, AW610139, AI540043, AW516238, AW610140, AI885548, AA176160, AW195258, AW610137, AA206412, AA205801, AW385769, AW952136, AW582673, AI609722, AW207274, AI817937, AI453820, BE741380, AA130688, BE042453, AI799593, AW577451, AA115103, AW071428, BG008536, BF375665, W23228, AW582691, BF798825, AA010598, BE772470, BE819775, AW582680, AI356662, AW389545, AA431301, BF761062, AI699434, BE772469, AW582682, BF990296, AW393426, AI377028, AA243181, AW338238, AI283266, BE538191, AI798323, AW582677, AI337665, BE301407, BF809596, BF984036, N72182, BF002417, BE281472, T36120, AW191866, Z40647, AW580895, BF987953, N79479, AA649118, AI864940, AA130669, AW582692, AI475437, BF900424, BE206495, F07603, AA243242, AA709234, BF209512, AA295402, H03834, R62669, BE279651,

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HSKYY92	2150	853384	1 - 1617	15 - 1631	BE073255, BE220925, AA643770, AA742818, AC004098, AL021707, AC007263, AF001549, AP001711, AF307337, AX015917, AC004531, Z99716, AP001720, AL163279, Z97876, AC007283, AC005971, AC007371, AL136300, AL132795, AC008068, AL445248, AC008536, AP000049, AL121601, AL353194, AP000311, AC005011, Z68756, AP000116, AL121897, J00323, AL133163, AC003982, AC011811, AL050318, AC020552, AL031255, AC011455, AC003669, AC005911, AC007773, AL009172, Z85986, AL138756, AJ400877, AC006441, AL133173, AC007226, AC008569, AC005324, AL049856, AL450224, and AC003098.
HSLAB11	2151	823825	1 - 3368	15 - 3382	BE620733, BE299838, BF982047, AL047632, AU139564, AW955865, BE300168, BE906867, BE147895, BG168422, BE299879, AW955858, BG112776, AV706749, AI084785, BE547092, BF966751, N21138, BF920696, BE298603, AI761396, AL047633, BF184594, BF792793, AI052111, N21198, N28890, AW298126, BE875499, AW963852, AW297747, W60949, AA129178, AA486017, BG000289, BF508695, BG003994, AA179302, R67326, AW959537, H12299, AA890236, BE080706, N27439, N27469, BF830579, AI520693, AA599094, AV719538, BF107164, BE080694, AW241313, BE620390, AW197341, AA218760, AA599111, H09389, H67339, AI650426, AI754992, BE466533, H98653, R19733, AA351497, AW511103, R38879, BF732183, H99106, R27383, BE219241, H04774, AA082514, H08728, BE891761, H90671, AI015279, AI023672, AV709706, N35716, AW236036, AW007588, T81262, AI040869, N35733, AA112744, AA621937, AW854590, H54794, AV647843, N31153, H09329, AA725004, F37306, T35040, BF184103, R06782, N26982, H08442, R74260, AW955862, AW966064, BF334147, R27382, H02450, H04870, BE871663, H89817,

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HSLAS96	2152	740764	1 - 1394	15 - 1408	M85994, AA994578, AI016704, AU147922, AV763240, AI623899, AI053786, AI053445, AV702609, AV706237, AI273107, AW268277, AA628627, AV763418, AA623002, AV759935, AW979140, AW995027, AA521323, AA563822, BE302974, AW962942, AI370475, AI859834, AW402458, BF185701, AW302048, AA501614, AA521399, H10143, AV763354, AW274182, AI769271, AW515448, AI284640, AA469451, AI801482, AW955984, BE676900, AA663966, AW276817, AW673241, AW819626, AU145521, AW339622, AI952900, AW062724, BF679710, AV760937, AV735370, AW500125, AV762111, AL046409, AV763401, AA834756, AW303196, AW274349, AA610491, BF674369, AA522942, AW571493, AI963720, AW833862, AI754661, AV762047, AV763255, AI334443, AV761786, AA682912, AA857296, AW080811, AA577906, AV763971, AW193265, W23546, AI431303, AV759274, AV710066, AW301350, AI284583, BF964699, AI653435, AA828042, AI350211, AI569982, AV762050, AV757607, AI252506, AV764307, AW472872, AV759204, AW327868, BE156413, AA133928, AV691147, AI049996, BF111579, AA524832, AA491284, AW974932, AI821467, AA857381, AI270117, BG059568, AI708009, AV762139, AW088846, AA877817, AI446474, AW977540, AA490183, BF796375, BF681619, AA491807, AA493708, AL036283, AV762826,

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HSLAW59	2153	637669	1 - 569	15 - 583	AA503015, AA515723, AC008760, AC005005, AL121658, AC006948, AP001706, AC011742, AL121890, AC005015, AC006515, AC004166, AC005412, AC005098, AC008403, U80017, AL121891, AC007383, AC006329, AC006125, AL031311, Z84469, AL035422, AP001726, AL031680, AC005874, AF134471, AL121829, AL022165, AL022329, AC004867, AC012155, AC004815, AL031846, AC005695, AC004383, AC008736, AC022073, AC011449, AC004125, AC008635, AC008812, AL118505, AL049870, AC011510, U78027, AC011895, AC002302, AC010618, AC002352, AC004854, AC004491, AL161757, AC005522, AP000654, and AP000654.
HSLCH54	2154	562018	1 - 556	15 - 570	AU131481, AL529477, BE902192, AI546859, BE869586, BF822203, BF203502, X87852, L44140, D86950, D86948, AB007932, X87831, AC018643, AB046770, AL390068, and AL390068.
HSLCH57	2155	899415	1 - 2355	15 - 2369	AL523262, AL529538, AL043069, AW084916, AL040564, AI381488, AI146820, AW161993, AV710840, AL043582, AW439423, AL043581, BE646448, BE742382, BF529932, BE677477, BE677335, AI554451, AW088167, BG171573, BG166503, AW168887, BE646180, BE046496, BF197687, AA744952, AI218269, BF594180, BF593719, AI151026, AA194202, AI418964, AI453314, AI873815, AW130388, BF913893, AA195161, AI269934, AA625370, AA719396, BE207433, AA492412, AI042024, BF573185, BG179218, AA194044, AI147243, AW340657, AA947438, AI091020,

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HSLCI86	2156	737626	1 - 1922	15 - 1936	<p>AL037326, AW950477, AI333988, AW629024, AI633505, AI376700, AA993037, AI340082, AI287613, AI273634, N68176, T84546, AI185238, AI193099, N88438, AA452624, AA450006, H75362, AV709810, N80635, R96340, H48741, AA626068, AA449459, H60471, N92404, H60426, T82255, AA970920, H50684, R91997, W38462, H67764, R96341, T81683, T91385, AA334154, N86663, H66786, H50779, R92044, H48566, T83536, H67763, H68474, AW183248, T81474, N90061, AI560085, BE062478, AI086646, AL046519, AW963463, BG029528, AV756491, U55764, U20521, S77383, AR003684, U08098, Y11195, AC073898, AC004983, AC008102, AF235098, AF001548, AC002400, AC004797, AL136137, AL022316, AC020916, AP001711, AC018719, AC002565, AL031295, AC004166, AL158830, AL133353, AC005081, AF001552, AL133387, AP001754, AC020904, AC021016, AC008745, AC004882, AC011464, AL035587, AC007620, AP001710, AC020898, AC006581, AC005086, AL137073, Z84466, AP001727, D88270, AC005015, AP001718, AC008569, AL163248, AP001725, AC007488, AC006480, Z83826, AL049870, AC007345, AL121890, AL158167, AC004832, AR036572, AL118520, AC005972, AL136300, AL162831, AC005291, AC007956, AL121755, AC005529, AC004965, AC007193, U91328, AL157774, AC004216, AC005808, AC006329,</p>

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HSLCS31	2157	604046	1 - 1865	15 - 1879	BE884922, AU125310, BE894385, AA745696, AW965791, AW009497, BF576749, BG164998, BE247505, A1754276, AA983389, BF770535, AA311676, AI598092, AI798903, BG027301, AA931055, W21138, AI276435, BF671607, AI277580, AI648544, AW087699, and AK022660.
HSLCS34	2158	751324	1 - 1075	15 - 1089	AU154214, BF514374, AI023835, AA583968, AA127740, AI276469, AW338435, AI061230, BF736811, AI149794, BE295075, BE786821, BE784846, AW450321, AI214561, AI970912, BF972070, BF799756, BF326332, BE645412, T58221, AA043739, AA679592, AA127804, BF996485, C15105, AW958927, AI631514, AW961410, C16569, R29652, AK001647, AC019221, and AR018138.
HSLCV16	2159	772948	1 - 2943	15 - 2957	BF026630, BF525472, BF311757, BF026375, BE315200, BE384236, BG029678, BE728846, BF027355, BF207367, BF311466, BE391121, BG249240, BE385559, BE889845, BE746346, BE384507, BF314019, BE514952, BF316610, BE387027, BF026515, BE385753, AW958716, BG034358, AW387756, AW387777, BF311701, BG166348, AW058655, AV712812, BF434690, AW387790, AW387823, AW387881, BE205929, AW387875, AW387759, AW387818, AW387863, AW387885, AI885199, AW387879, AI696938, AW387882, BE206444, AW576420, AW387835, N27479, AA457045, AA004840, AI371842, AI243820, BE391643, AI753132, AA042937, AI401039, BE208742, AI620938, N21206, AI075795, BF951267, AA827532, AW952741, AA961462, H17738, AW818342, AI138762, AI124836, AI752279, AA401155, AA456889, AI702256, R72316, AA400981, R59036, AA043037, AI038154, BF508433, AA251449, R72279, AA429858, BE392526, AA081310, N99653, H08163, AA679413, AW502829, AA026365, N71703, AA338257, R58972, AA081311, BF764044, R34391,

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HSLDW54	2160	853386	1 - 1405	15 - 1419	AW953709, AU145980, BF681462, AI963674, AA604920, AA604512, AA602341, AA602613, BF694965, AV687299, BE564307, AA214047, AW853687, AI049591, AA506540, AW866434, BE178526, AW902128, AW866436, AW866430, BE145548, AA551394, AW855356, AW934969, BF883928, AU119708, AI537997, F29519, BF874935, AA366464, AW813014, AW438596, AA631500, AW855353, AW953693, T81440, BF852810, AI932609, AV704081, AW995969, AA366571, T69164, AA605054, W01000, AW074527, AW866337, AA503427, BF694852, AA848158, R95100, AW866268, T98359, T68422, AW858120, AW363563, H78215, H02561, AW866569, AA907155, T81439, BF823033, N73816, BE709511, Z27100, AA866015, N21656, AW978714, AA243867, AW129543, H78415, H71552, BE926891, AW893701, BE926874,

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HSLEC18	2161	722249	1 - 2029	15 - 2043	AW961058, BE276075, AU121412, N37065, BF351140, AU147230, BG059546, AA826487, BE677298, BF926873, BE782818, AA339231, BE409714, AW838669, AW813515, AI733856, AA904211, AL138182, AV703785, AA502991, AW328000, AI815210, AV721136, AV723445, AV695478, BE062478, AW026305, AI421950, AI419337, AA120920, AI696878, AV764259, BG029528, AI361090, BG112362, BF805088, AI573198, BF955661, AA425924, BE062476, AV759632, AW833901, AA503298, AV757289, AL038842, AI859438, AA812684, AW238253, AA714110, AI962030, AV704541, AL042373, BE063437, AI612142, BE138594, AA578621, C06004, AI799569, AW341978, AA832175, AA765925, AA483256, AA857812, BF939548, AI049955, BF882608, BG000961, AA515728, BF527070, AW327624, AI752365, BF763954, BG222564, BG222326, AL047349, AI689198, AW574899, BE062211, AI025930, AA182731, AI904840, AW571499, AI362442, AA846923, BE327876, AA613624, AA598892, AI653776, AV762975, AW855528, AW274191, AA652834, AI762528, AI887235, AW410784, AA349193, AA833896, BF093598, AK022178, AF119908, AL031602, AL133294, AC010480, AC005231, AC004824, AP001705, AC007292, AL031311, AC008892, AC005081, Z84466, AL158830, AC004922, AC004089, AC006211, AC002316,

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HSLEG59	2162	637671	1 - 1470	15 - 1484	AW590797, AW854935, R96638, R96686, AC005042, and AC010432.
HSLFR59	2163	853388	1 - 2851	15 - 2865	AU118191, BF531111, AI935420, AI950396, BF691154, AI760906, AW964648, BG169353, AI823525, AI684614, BE879453, AV733446, BE935950, AV737808, AI889406, AW959123, AW298750, BG164609, BE936020, AI934459, AU134997, AI823526, AW130074, AA725227, AI935332, AU155756, AI768388, BE935951, N80103, AA282000, AI265885, N64669, AW148816, N64349, AI446266, AW361257, BF436535, BE935962, AV733555, BE832563, BF362455, AI631382, T80559, AL046391, BE935945, AA385985, R38924, H44506, T30968, R61790, R41997, R86298, Z43322, Z39397, AA151360, BF445279, R17319, BE935979, AV690022, AV696526, R86299, BE009546, BE926179, R61789, AV691315, N55937, AA280616, AV686905, BF090175, BF090178, H44459, AW975618, BF087294, BE938253, AL119487, BE699226, C14331, D80043, C14429, AW973541, AV699550, D58283, C15076, AW966053, D59467, AV718489, D80164, AV701004, AW966029, D80188, AW966531, AW962082, AV724520, AW960465, AV722801, AV718692, AW958992, AW959628, AV718707, D81030, AW965177, AW949631, AW960553, D59859, D80022, AW978634, AW973482, AW966534, AW959597, AW959570, AV719557, AV718440, AV720028, D59502, AW973334, AV718844, D59787, AW973485, AW966013, AW959799, AW966041, D80166, D80195, AW975621, AW973307, D51423, D59619, AW978661, D80210, D51799, D80391, D59275, D80240, D80253, AV719822, AV720791, AW966054, AV720203, AW966050, AV719188, D80227, AW966062, AW973474, AV719324, AV719783, AV718633, AW975605, AV718800, AW966065, AW949632, AW753053, D50979, AV720211, AV720464, AV718770, AV720731, AW959202, AV699447, AV720812, AV723927, AW965163, AW964488, AW949641, AW949656, AW949654, AV718530, AV699927, AW949642, AV718931, AW964756, AW966022, D80212, AW959136, AW949655, D80196, AW965184, D80219, D80366, D57483, AW978648, D59927, D80269, D59889, C14389, D80038, AV718938, AW949618, D80193, AW958993, AW960473,

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HSLGD91	2164	883491	1 - 1258	15 - 1272	<p>AI956087, BG231957, AI949204, AA706438, AA043129, AW166890, AI827063, AL134574, AW168952, T15691, AA454745, AI826543, AW024703, AI352667, AI125623, AW300548, AI370380, AI288057, AA232816, AI372064, AA233870, AA926958, AA447193, AW439052, H60436, H84776, AW593600, AW969534, AA922599, AA218629, AA570089, AA894833, BF353213, AI873954, AA411348, AI521589, AI559741, BG110768, BF925392, AW020415, AA582684,</p>

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					<p>BE002593, AA368329, AI306717, R39627, AA368012, BE876652, AA084950, AI015582, BG250789, H86579, AI520925, BF971214, T47138, AA614647, AI915081, AI475294, BE299534, AA721523, BF833538, BE465696, AV716506, AI890799, AI144056, AW272640, BF838037, AW951204, AA626411, BF953591, R92658, AI054419, BE002594, AI792578, AW754428, AW754431, BG150692, AI536858, AI933681, AW778780, AA287570, BF132824, H80989, AW754424, AW754426, AI187148, BE044879, AI859335, AW957511, AI814682, T41134, AI291439, BE879516, AW591276, AC011497, AC006539, AJ011930, AC003101, AL096791, AC008040, AL035458, AL121601, AC009087, AC011484, AF113694, AP000117, AL163300, AL021391, AL035587, AL133454, AC002558, AC007731, AL022726, AC005500, AP000354, AC083866, AL109799, AP001671, L78833, AC004491, AC007225, AC024247, AP000030, AL357150, AP000031, AC004883, AC004659, AL135960, AJ131016, AL133262, AF195953, AC004686, AK026155, AL356863, AL136169, AL139092, AC009242, AL162831, AD000092, AC008745, AF124523, AL121656, AC004752, AC004552, AC020913, AL133342, AC020934, AL133405, AL033529, U62317, AC005779, AC004858, AC004383, AL163248, AL008718, Z84466, AC007774, AC011442, AC006132, AF091512, AC012076, AL117336, AL137705, AL359623, AC021016, AC008115, Z83840, AL161936, AC002477, AL023653, AC008482, AL121753, AC004814, AB023048, X87344, AC006451, AL136365, AC008474, AC011479, AP000355, AL117694, AC007383, AC016652, AC003044, AL359382, AC004941, AL133445, AC002300, AC005627, AP000213, AC009247, AC004913, AL133263, AC009310, AC005052, AL031311, AC026424, AP000135, AC005225, AL138919, AC006994, AC003043, AP000255, AL023553, AL121747, AF196969, U95742, AP001711, AC009060, AC003962, AC026776, AC005015, AC007114, Z93015, Z97985, AL157372, AC007242, AC004797, AC006038, AC007421, AC005522, AF119908, AC003688, AC011455, AC005792, AP001728, AF307337, AP001412, AC002301, AC005048, AL354776, AC024561, AL121751, AL031587, AL136362, AC008279, AC005020, AK026603, AL109827, AC025809, AL117334, AL133174, AL096840, AC004794, AC005391, AC005399, AC007055, D87675, AC004139, AP000704, AC006965, AL035420, AC008764, AF134726, AC016597, AL137479, AL121652,</p>
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HSLGF66	2165	596824	1 - 1515	15 - 1529	AC005610, AC005610, and AC005610.
HSLGF70	2166	741063	1 - 1300	15 - 1314	AA804322, AL121714, AL121714, AL121990, AL356475, and AL356475.
HSLGP68	2167	853389	1 - 2340	15 - 2354	BF954481, BE220333, AW961957, AW135445, AI479842, AW900421, AI732873, AA916954, AI918149, H42422, T08236, R44234, AA804680, AI362949, AA322897, T16405, BF948538, M78985, T23200, AL119544, H42848, AA829792, AA694554, T80479, T16168, AA326223, AW903956, R19679, R41538, R38909, R49277, R15114, AW904633, AW089379, AL039458, AV706527, AF062711, AV682323, BG254965, BE084795, AL042515, U40215, AF077737, A65340, S68736, AF169154, A57389, AJ131955, AC015995, and AC015546.
HSNAB88	2168	600324	1 - 730	15 - 744	AW952046, AW962407, AV703542, AW961841, AW955615, AV706910, AV706223, AW952579, AW959858, AV727238, AW950520, AV728874, AV728436, AV703591, AV706851, AW949351, AV704954, AW963601, AW963868, AW960600, AW963847, AV726502, AW952064, AV707831, AW962978, AW954336, AW949534, AW966619, AW963108, AW953804, AW955723, AV726392, AV703766, AW950443, AV704180, AV702322, AW958102, AW962392, AV727314, AI535639, AW960071, AV703266, AV709551, AV658784, AW954428, AV705518, AW952196, AV707146, T18597, AW965148, AW953788, AW950446, AW951241, AW951562, AW949441, AV704660, AV705012, AV705550, AV703366, AV707329, AV704611, AW967181, AW962934, AW964540, AV726830, AW954994, AW961510, AW963446, AV728309, AV708850, AW962983, AW952419, AW951728, AW949327, AW952592, AW967328,

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HSNAH56	2169	825116	1 - 358	15 - 372	AI379115, AJ251973, and AC068053.

HSNAN38	2170	853391	1 - 413	15 - 427	BE349090, AI741178, AA258994, BF940163, AL045979, AI769186, AA972509, AI470490, D60661, R69877, R34241, AW182712, AI819101, AI380453, AW954228, D50957, N89997, AA643966, AI539487, Z40228, AA864314, AA480309, AI094614, AA465527, AW471236, AI027372, AI363240, AI097239, AI765597, R33075, R25383, H65013, T30117, AW166699, AI219217, H19322, N71819, AW192379, Z38164, H16574, AI005245, F03089, BG026940, H05711, R32881, D62630, BF352127, D63034, N46543, and AC010184.
HSNAO19	2171	638294	1 - 290	15 - 304	AA640108, AI923927, AA493903, H29559, R48979, W67973, R38184, W95383, BE826168, AW960154, AI810345, AI089325, AA807829, N68138, AI090480, AI460130, AI708050, W56152, T57082, AA112633, AA367581, BF853811, BF878399, F11092, H57121, BF878401, BE825482, W67837, F10871, U73507, N46793, AA324910, W79760, W16734, AA447410, BE825488, BE825518, BE825374, BE825405, BE825467, BE825484, AW844119, R81998, D25913, BF852389, Z41375, BE825473, AW945337, W19736, AW945335, BE825651, N56445, BF835061, T64536, BF854133, BE825481, AA025514, BF854278, BE825345, T70003, AW945349, D45480, AW945339, BF917978, AA367353, BF853742, BF877792, BF877793, AV647250, W44710, BF982173, BE747350, AW945296, U54706, U48354, W69088, AC027277, and AC027277.
HSNAQ52	2172	600402	1 - 386	15 - 400	AA400248, BG114357, AI074196, AA814996, AI765866, AA558027, AA746234, AW784758, T99920, AU151248, BE891603, AI114816, AI340063, AI016350, AA400552, AI056671, AW794915, Z98884, AC002070, AF274857, AC011815, AL391666, AC004106, AL442064, AL022160, AC004691, Z82190, Z97205, AC009508, AC004830, AC023514, AC066606, AC008162, AL358293, AC026200, AC026217, AC026199, AL035468, AC007402, AC016950, AL033530, AL136999, AL445123, AC002386, AL357752, AC004070, AC019155, AL445215, AL035701, AC007969, AC005157, Z93931, AL009047, AL080314, AL136460, AC004012, AC006568, AC025030, AL391867, AC005323, AL390195, AL138828, AL442166, AL163284, AC006021, AC005303, AC002559, Z86064, AL354773, AL121953, AP000695, Z95152, Z84475, AL049175, AL049767, AL365193, AC000392, Z83818, AL133512, AL121724, AP001254, AF240628, AC004942, AL136234, AP001726, AP001679, AC068405, and AC012429.
HSNAT08	2173	825136	1 - 689	15 - 703	AA047715, AI174766, AI150475, AA442105, AA454041, AW995665, AI138888, AI138886,

					BE170691, AA702729, AA309844, BF528879, H99263, AL135377, AW962154, BE763089, AV763476, AI921328, AA427843, AA741028, AV733627, AI147425, AI744056, AC007750, Z85987, AC010636, AC002288, AC004491, AP000237, AC003690, AC006515, AP001706, AL117338, AC005725, AL034420, AC002563, AL354720, AL031230, AP001752, AC011463, AL121751, AP002535, AC000004, AC007875, AC011510, AC004985, AC003982, AC083863, AC007367, AL022336, AL133240, AC011444, U91326, AL049709, AP000104, AC005874, AF134471, AC007671, AP001714, AC004967, AC008569, AC002994, AC006120, AC005955, AC010677, AC005300, AC008892, AL136979, AL138725, AC003977, AF053356, AC005519, AP000497, AC005900, AC005544, AL133512, AC003109, AL162505, AC010685, AC012067, AC007750, and AC007750.
HSNAW06	2174	580248	1 - 661	15 - 675	AA553514, AI479400, AW511442, AI784463, M85464, C00582, AI022386, BE070260, BE070199, BF515546, AI333592, AA861406, AW205390, H78851, BE064048, BF988073, AI951965, AA244041, AI733444, AA988992, AI339557, AI347914, AA309315, AI791765, AP001575, AP000782, AL034402, AC026189, AC023480, AC025614, AC018503, AL139109, AC004998, AC004835, AL034408, AC009507, AL133329, AL035427, AC004506, AL109954, AC040163, AC011815, AC010719, AC069550, AC006983, AL133338, AL133348, AL353152, AL136296, AC002980, AP001693, AF223391, AL079333, AK022355, AL137013, AC005939, AF240627, AC010251, AL009175, AL109800, AC016956, AC007564, AC007163, AL160237, AC008833, AL138773, AL163218, AC016622, AC005284, AC020750, AL050305, AP001607, AC005084, AL133514, AP001724, AC004993, AL163248, AL390023, AC008528, AC006482, AF064858, AC004502, AC000022, AC002080, AL163278, AL354653, AF164343, AC010089, AC010470, AL163282, AC006338, AC010088, AC008413, AL360270, AL355530, AJ229041, AC006004, AC008269, AL109654, AL365214, AC006399, AC068323, Z96074, AF042091, U82671, AC004087, AC005771, AC022407, AC003664, AC025030, AL358133, AC004140, AL391474, AL121774, AL121575, AC078845, and AL139332.
HSNAW37	2175	600403	1 - 418	15 - 432	AC009331, AC009331, AC009331, and AC009331.
HSNBJ05	2176	695758	1 - 780	15 - 794	AL517635, AL521437, AL518922, AA203196, AW629713, BE562594, AW057898, AW958373, D78778, BF033334, W55901, R69926, AW957391, N80401,

					AA160893, BG117838, W02473, AI146953, AI536130, T70811, AI917567, BE562931, AA480853, AU121979, T80614, BE926593, AL514993, BE867218, BF038665, AI535987, AA188202, BF966739, AA477183, AA453010, BF038123, BE410191, W48810, W04216, T85535, AL518923, BE298254, W90515, W90564, BF241291, AA354045, AA379261, R24544, BE741946, BF037859, BE744872, AA045435, BF525529, W19368, BE744414, BF344735, N51788, AW905688, BG117099, AA159914, N39363, AW905686, AA772929, AL537511, BE614375, W21096, AI754040, AL517636, W40201, AL535649, AA612990, BF509282, AA046529, R27683, AA504288, AL514994, AW630421, BE378311, AI499284, AW081992, BE693990, BE927045, BF333635, AW263792, AI288867, AI357977, T70542, AA333712, BE743693, AL530907, BE707473, AL538309, BE791303, AL521438, AV716169, BE741284, BG253672, BE741178, BE378613, W94169, AW974309, AA489513, H61514, R99420, W06904, BE889913, BE792147, AL532051, AI633480, BF196377, AI141526, H86842, BF304297, BE613663, BE833028, AW401688, N67622, BE794043, AA296732, BE047308, BE379466, AI002967, N58997, N51693, W52396, AA311467, AV689612, D60885, AA371386, AU142322, AI144208, H97764, AA186886, BE562923, BE740482, AV686266, AA862528, BF725342, AI971120, AW027621, AI214535, AI890548, AW055163, BE766700, BF939536, AJ011930, AL163300, and X99584.
HSNBO90	2177	600330	1 - 411	15 - 425	AI122784, and AW838136.
HSNBQ36	2178	784994	1 - 1475	15 - 1489	AI341472, AU146772, AW954401, AI476677, AU157128, AW954399, AI890322, AA450200, AI567670, AA937879, BF333227, AI921443, AA373347, BE047177, H83781, AW024413, AV697458, N69788, AA877046, T32821, AA888265, AI261814, AV738820, BF588568, AI525978, H83924, BF333220, AA610297, Z25236, AA501507, BE079511, AK000673, AK001990, AL121809, AL121809, and AC011033.
HSNBS39	2179	617125	1 - 309	15 - 323	AA071491, AC004264, AC004264, and AC004264.
HSOAE34	2180	786645	1 - 660	15 - 674	AL513755, AI961589, AL514473, AL513999, AL513977, AL515235, AI249946, AL514015, AL513597, AL513723, AI470293, AL515307, AL513907, AL513631, AA830821, AI273189, BE084795, AL513553, BE965732, AI267379, AL514357, AL513693, AL514511, AL514087, AI954080, AL514867, AL514627, AI686781, AI637584, AI583065, AL514543, AL513779, BF814449, AI538850, AW129456, BE966927, AI569975, AI583578, AL513979, AV728592, AI828734, AL514701, AL514097, AI370322, BF727091, AL513781, AW051088, AI590021,

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HSOAT44	2181	847357	1 - 636	15 - 650	AI460316, AI590072, AI345974, AW955003, BF732609, AI346596, BF061650, BF196825, H11332, AI369226, AA088749, BE463688, AI066615, R71792, BF507438, AA580058, AI277827, AI291600, H09800, H40219, N53326, W51854, F21820, N48179, R71842, AI628402, AI471044, H26232, H08763,

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HSOBB94	2182	838617	1 - 743	15 - 757	AI948491, AW450917, AW450396, BE217772, AI949813, AA743584, AW466882, BE504863, BF059575, AI628938, AI073854, AI564121, AW438632, AI687141, AI364994, AW510570, AI034276, W58250, AW235541, AI769861, BE674342, AW771224, AW236106, AI222131, H19667, AA814964, H19668, AA504328, AW074675, AI458175, AW235144, AA883261, AI351534, AA977064, W58249, R42461, F10472, AI245284, R38555, AI919535, BF036304, AA713664, BE169956, AI631614, AA366782, AA433999, BF932025, T25725, W07133, AA279585, N31803, BF754840, AR044137, AC018639, and AL359770.
HSOBH11	2183	794000	1 - 804	15 - 818	AA342587, AV720211, and AW973541.
HSOBP75	2184	778361	1 - 807	15 - 821	BF590298, AA677311, AW971355, AA524669, AA992372, BF114792, AW316907, AA215539, W21147, AI474295, AU145114, AA829113, BF058739, AA829155, AA488917, BF432970, AA215379, AI266730, AA935527, BF433298, AA678390, AA757409, AI868461, AW014576, AA558718, AA649149, AI372973, W02285, AI656253, AI968399, AW579206, AA252470, N74029, BE348433, AI698148, BF447895, BE218061, AV724520, AV718692, AV718489, AV720203, AV699447, D80366, D80253, D51423, AV723927, D59619, AV719783, AV720464, D80196, AV720731, AV722801, AV700889, AV718844, AV699927, D80219, AV699479, AV742001, D59927, AW973447, AV720812, AV701125, AV719822, D59275, AV699746, AV701043, AV701017, AV701431, AV700229, AV742667, AV701154, D80134, AV719000, AV701248, D80045, AV699550, AV720220, AV721784, AV720211, AV745080, D50995, AV701166, AV720150, AV701344, C75259, C14389, AV701021, C14227, D59889, AV701428, AV701149, AV743601, AW949645, AV742720, AV699411, D80022, D80038, AV744934, AV718681, AV700622, AV718707, AV701332, D80043, D58283, D80210, D80193, D80240, AV723097, AV699669, AV719324, AW959570, D80391, D81030, D80195, AV699682, D51799, D80188, D80227, D80168, AV745831, C14014,

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H SOB W65	2185	778388	1 - 721	15 - 735	AA614055, AW300169, BE972714, AW852929, AW852930, BF888260, AW858714, AL133944, AI133350, AI831929, BF917040, AW992176, BF761884, AL119415, AA552771, BF762733, BE001692, AL132875, AL133344, Z99128, AL360076, AC005389, Z81008, AC003035, AC025463, Z69733, AL392173, AL133480, AC008912, AC015550, AC005969, AC007363, AC005833, AC009318, AL008626, AC002457, AL139109, AC003667, AC007744, AC002487, AC010223, AL354750, AC011299, AL117258, AC005062, AL096827, L11910, AL109799, AL031278, AL049781, AL390027, U01882, AL008710, AL049829, AC011890, AC002564, AP000083, AL049697, AC023425, AL032821, AC024153, AP001412, AP002528, AP000152, AP000011, AL122057, AF036938, AF101874, AL049564, AC005535, AL159988, AL033397, AL139099, AC000053, AL356800, AC002075, AC005828, AC008468, AL391384, AL109913, AC009411, AC004914, AL050309, AC004992, AC011422, AP001669, AC003971, AP001728, AC006367, AC007683, AC005061, AC006581, AL121578, AL157701, AC006988, AP000360, AC016925, AC008536, AC008282, AL163213, AL160231, AC000004, AC007436, AL109756, AC002524, AC010685, AL354833, AL353706, AC000110, AL137182, AC005014, AC008012, AC011716, AC002060, AL121590, AL357153, Z82975, AL049177, AL035552, AL031785, AL121982, AL137022, AB042234, U92032, AL391071, AL139395, Z73986, AL136234, AL163207, AL139340, AC008041, AL121901, Z84720, AL031286, AC007750, Z84719, AL121869, AC010200, AC008109, AC021863, AL136297, AC009479, Z80900, and AL355980.
H SPAA89	2186	825099	1 - 1358	15 - 1372	AA522884, BF515759, AW008061, AW273087, AI739595, AW849503, AL136131, AL136087, AL049553, AL033380, AL109615, AL109615, and AL109615.
H SPAC13	2187	605047	1 - 566	15 - 580	AW968795, BE645637, AA400510, AI377798, BE302259, AI074544, AW592484, AI809907, AI074547, AA701336, AA682786, AI123675, AW971817, N20113, AA934627, AA490971, AI206073, AI086123, AA894801, AI269105, H99771, AI567275, AA653155, AI696513, AI911979, H72002, AI351121, F04139, AI480376, H93349, T79584, N75117, AI223117, AU154506, T10723, BE139606, N33293, N23993, and AF163473.
H SPAG75	2188	884779	1 - 2106	15 - 2120	AW022955, AI961589, AI370623, AI568773,

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HSPA120	2189	588409	1 - 1453	15 - 1467	BF512203, W27181, AI168031, AW268620, AA853983, AA345138, AW850160, N55388, AW899117, AC025125, AC025125, AC027796, and AC027796.
HSPAL59	2190	851816	1 - 1903	15 - 1917	AA614363, AC069037, AC069037, and AC069037.
HSPAY90	2191	827308	1 - 1150	15 - 1164	AL518874, AL518352, AL531160, BF975238, AL533585, AL517989, AL517496, BG028349, BG112007, BF183105, BF972055, BG171718, BG249784, BE787897, BG178139, AV724864, BF338934, BE274418, BF035106, BF968887, AL514849, BF345004, BE390806, AV727108, BG259201, BF037622, W51805, AA775425, AA401252, BE408901, BE549365, BE876287, BG114854, BG163726, BE728402, BF081964, BF528676, AW574532, BF347054, N98918, AW381438, BE263542, AA706258, AW381395, N36971, BG259999, AL515443, BE790188, N31973, BE274571, AA130894, AW247850, AA894915, BE082535, AW409685, BE410949, BE410878, AA780051, N25622, AA176795, AI302723, BE389284, BE707516, AA456811, BE296421, AI880397, BE543865, BG105658, BF345941, AI766660, BE293166, BE304495, AV725422, AW995170, AW799315, BE281055, AW799318, BG257099, AI301068, AI951960, BE676085, AI052112, AI086588, BE464795, BG059714, BF378631, BG033998, AA907302, AA888788, AI351082, AI962953, AW303834, AI669217, AW027315, BG109985, BE857727, AI693983, AI749197, AI819395, AI039592, AA872604, AW799323, AW372701, AL045180, BE270681, BE276875, AI935975, AI299484, AA434031, BF732869, AW130608, BE901286, AI635008, AI963385, BF341867, AW770825, AW612981, BE562177, AA863309, AI361847, AW150840, AI275841, AI220546, AA113271, AI077713, BE729395, AW264230, N63705, AI828486, AA858177, AW068492, AA156443, BG108614, AI582130, AI082766, AI762988, BE207857, AW515227, AA132526, AW467963, AA488239, AA076034, AA811818, AI923777, AI347978, AI298742, AI186710, AA133895, AI056805, AA846531, AW770388, AI347728, W92825, BE252401, N73487, AI085478, AA133932, BE797093, AA758935, AI627923, AA524342, T28803, BE465525, BE206282, AI951545, AI336367, AA551366, AA570033, AW087836, BF342349, W46982, AA252518, AA883265, AI809034, AI524002, AI857876, AI683329, AI978706, AA845573, AA588727, AI201117, AI141834, AI686911, BG171340, AA576055, AW249557, AI703097, AI040444, W46990, N35608, AW084692, AA132712, AA631756, AW955138, AW131461, AA707612, AW058312, N67024, AI049698,

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HSPMF63	2192	815251	1 - 1166	15 - 1180	BG261286, BE613096, AW975893, AI949933, BF681247, AI672317, BF038200, AI949924, AW242795, AI917296, AI346981, AW190720, AW007100, AV731577, AW021072, AI814146, AI796105, AI638594, AA866023, AI619434, AW590477, AW003796, AI812007, BE962647, AA447920, AI631666, AI333211, AW205078, BF434949, AI683535, AW300033, AI346605, AI990112, BF064254, AI625132, AI219765, AI961275, AA975051, AI142290, AA192363, AI990673, AA009710, AI627502, AI288494, AI308214, AW470850, AW090253, AW073263, AW512150, AI374953, AA256197, AA448857, AI262452, AI221508, AI367727, AW590848, AA568142, AA411745, AA181091, R42503, AA101926, AI918779, T66301, AI653218, D53906, F09853, Z40709, AI264433, AA781785, AI446595, AW270932, AA099176, Z19307, AA009820, AA458681, Z19292, AA458682, AA909801, R49300, AA923768, AI625873, Z28455, AW023519, D58132, AW194887, AA082694, W26023, BF687619, T06286, AL526742, AW512678, F02827, F03922, AA135779, BF929560, AW957917, AA411744, AI683218, AA463547, AW957841, AA182624, BE972632, AA135735, AW364744, AA578970, AW957839, AI206023, AI652407, Z19306, AK000282, AL109613, AK026988, AL033383, and AK025526.
HSQAC69	2193	876528	1 - 2042	15 - 2056	BF970581, AV695085, BG117166, AV686338, AI341460, AW173384, AV693976, BF032394, BG024316, BE893802, BG254562, AW055235, BG170478, W39204, AW978735, BF572731, AW968956, AI909118, AI909124, AW592429, BG171038, AW118938, AI689438, AI419443, AI801242, AW438695, AI123971, AA707755, N59864, AA974210, AW130020, AA489046, AW298736, AA768780, AI146982, AW768627, AI093766, AW889585,

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HSQAH14	2194	824077	1 - 811	15 - 825	AI913286, BG231922, AI921303, BE217833, BF062967, AI342492, AW969128, AI817527, AI633711, BE044646, AA809406, BG034430, BE746835, AI206628, AA135687, BE223060, BF968123, AI751154, AA805066, AI808447, AI620100, BE880358, AA838657, BF196091, AA665812, AA017290, AI262963, AA961164, AI625458, AA279394, R54878, AI473681, AA505089, AA633051, AW298425, AI935753, AA633044, AI198672, AI208301, AA494096, AA769780, AA706082, AA838100, AW152081, AA037031, AI571960, AI766540, AW073400, AI540551, AI624338, AI860111, H03424, AI955428, AI268184, D80690, AI202318, R54615, AI679056, AW953932, AW339375, F09053, AI559498, AA300590, R26259, AA364522, AW365882, BF695173, R62387, H04131, R25429, AI378991, AA037030, BF214286, AA135674, AA912319, AI865259, AA804470, AA765486, BE746461, AI823314, AI828246, AA031563, BF214128, F13634, AB020669, AL158163, and AL158163.
HSQAX94	2195	838800	1 - 3093	15 - 3107	AW975889, BE890437, BF792753, BE869457, BG111630, BE272261, AW957910, BE876867, AW957835, AV721037, BE271952, BE897250, BE551907, BF439965, AL524267, AW173342, AW895276, AA478670, AI968093, BE897362, AI379615, AI634726, AW338720, AW104590, AI683681, AW169497, AI421606, AW589842, BG169495, AA694059, AI970918, AI432425, AA258286, AA234386, W49607, AI417965, BE892701, AI359750, AI672733, AI094753, AW663999, AI359735, AI421216, AI421807, AI492071, AW169163, AA406244, N50451, AI400745, AW051859, BF446971, AL524266, AI770144, AI418973, N94584, N22975, AW009450, AI423399, AI522259, AW150839, AI358559, AI688047, AA970514, AI768455, AA305807, AW243536, AI399686, W49640, AI280345,

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HSQBL20	2196	780518	1 - 925	15 - 939	BE314383, BE314614, AL526654, BE299769, BE793981, BG169374, AW954259, BE562848, BE378930, BE734071, BE909515, BG104296, BG033871, BE747341, BF797817, BE299485, BF794604, BE746897, BG122869, BG167071, BG034266, BE908702, BE727730, BF685899, BE395862, BF182912, BE790614, BG163782, AW083133, BE909582, BG260849, BE796177, BF965565, BF670742, BE388203, BE395868, BE394078, BE646595, BE856879, BF540879, BF211588, BE910372, BE907392, BE382785, BE796960, BE549227, BE409116, BE267225, BE907673, BE902754, BF033419, AW161771, BE393849, AI857962, BE261934, BE394100, AI796684, BF312383, BE383013, BE390750, BF668494, BE909319, AI857384, BE389034, BE280604, AW189860, BE265913, BE262080, AI609399, BE394379, BF796298, BF038570, BE280536, BG164278, AW512354, BE313186, BE547286, AA527279, BF033447, AL526627, BF664642, BE740924, BE564799, BE396768, BF248224, BF036294, W20087, AA176944, AA614051, BF664910, AW955467, AI923228, BE263046, BG119158, BE393256, AA031702, AA772393, AW513299, BF701276, AI805155, BG177758, AA528094, AA176751, BF241897, BF038654, BE395453, BG169151, BE395877, AA155815, BE271552, AA315019, BE562530, AW351775, AI040347, AI086869, AI128935, AA579638, BF130710, BF667562, AI569778, AA534897, BE564877, BE733005, AA587666, AA953108, N29957, BE393363, AA305091, W44729, AI334112, AA151093, AA484727, AA487650, AA081357, AI185147, AI023986, AI364940, AA179716, AI391703, AW406567, AA031621, AI160981, AI201618, AA165277, AI566893, AA677382, AA487441, W07828,

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HSQCQ45	2197	604962	1 - 574	15 - 588	BF059122, AW300750, BE738892, BE739419, AC004623, AC004623, and AC004623.
HSQCY74	2198	886110	1 - 2303	15 - 2317	AL519849, AU125713, AU125913, AU149580, AU126045, BE390867, BE408981, BE386444, BE270147, AI126802, BF037894, AI810648, AI829784, BF305478, AI765051, BF305303, BF699170, AI767311, BE793111, BF691761, AI637676, AI380487, BE672083, AU149476, AU153262, AA805701, BE564488, AU152422, BF246237, AI022771, AI022773, AI224853, BF131031, AI246664, AW117381, AA284708, AU149736, AI378374, AV748613, AW242618, AI078556, AI203326, BE891192, AI760108, AU149844, W90758, W90692, AI367405, AA829971, AI003180, AA775023, AU127166, AI568198, AA856802, AI282240, AA287138, AV747461, AI077934, R85788, AW972449, AI754241, AI868791, AA852950, BE242067, AI017044, AA693657, AV750887,

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HSQDM74	2199	581101	1 - 1276	15 - 1290	BF981284, BG029241, AI088496, N53658, AI890044, BG112550, BF666223, N90775, AW167967, AI566046, AL039593, N58890, AI493052, Z32899, AI433294, AA971583, C06421, AL039592, AI689600, AA583249, BE041706, AW362487, R80534, R33011, N78406, N46356, AW262882, D59519, W19198, AI587131, D59492, R33896, AA411771, BF509476, AW664421, AW079554, AI826316, D50980, R80422, AI700857, T17373, AW611651, AW196048, AI478618, AI752388, N55225, BE067397, AA092245, AL046034, AA411972, BE067405, BE067400, BE466324, BE067401, AW577086, AL136896, AB014571, AF073958, AC020604, AC020604, AC020604, AC016722, and AC016722.
HSQEG23	2200	829137	1 - 2276	15 - 2290	BF508706, BG118348, BG026529, AV725666, AV727320, BG166223, AW965035, AV726732, BE300742, BE301312, BF790083, AV727358, AI871490, AV705315, AW361377, AW197150, AW961450, AW020971, BE222028, AA173974, AA628005, AI762455, BF434654, AA885770, AU145772, AI742916, AW242738, AI650889, BF980120, BF670440, BF000529, AI499725, AW572144, AW769473, N50019, AA416895, AA436315, AA446397, AA479327, AA992560, AI761732, AW368564, AA565414, BE301307, BF672895, AV727307, AI202034, BF196161, AI954851, BF031253, AI078111, AA931981, AW026081, AW008016, AI554145, AA436190, AI024693, AV727863, AI361305, AA768877, BE467065, AA668422, AW073981, AA179747, AA983540, AW129222, N42994, AA169284, AA694493, AA960905, D57898, AA972347, AA565932, AI373863, AI955691, AA128410, AA861131, AA173600, AA478590, BF510400, BF432658, AI277077, AI458731, BE855667, AA100904, AV708118, AI476754, AA164384, AW518016, BE221931, AA424173, AI299274, BE622950, AA179796, BE246239, H99661, AA772632, AI143402, AV653358, D60579, AI535905, AI039327, AA908163, BF725100, AA503420, D63073, H88575, BG150150, AA169671, AI201972, AV701964, AI659520, BF437408, AI267537, AA363822, AA886617, T68844, R24402, AW074517, AA082162, AI915469, AI269850, AI919381, BF054993, Z25919, AI926153, AW518862, AI468786, H88530, BE247013, H45230,

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HSQEG47	2201	771527	1 - 1920	15 - 1934	AU145166, BF909714, AW190749, BF037895, BG248843, AW182498, AI951781, AU151975, AW131885, AI806763, AI655902, AW051579, AU150183, AW104033, AI092894, AW206443, AW304065, AW235200, AW589653, AA703504, AI948834, AW663912, AI052070, H96636, BF475254, AA621652, AI336780, AW873629, AA954929, H99377, AA737563, AI218321, AA757128, H50221, AA707800, AW103115, AU153757, AI435576, AA707817, AI282394, AA459330, H49671, AW275538, AI082875, H38703, N73211, AI810071, H19606, AI799129, BE294069, AA504743, H38992, AA279748, BF974352, R84618, W87812, H50254, BF889111, AI243410, BE772803, AA279837, AA057203, H12761, R51639, BE772805, R38779, H38792, AA903327, AW403339, T80100, H50275, W87885, H12804, AA570100, AI453334, AI028555, AA889390, BE766630, AA721345, AW016229, AI915317, H19519, BF093270, AI587406, R85372, AW959910, W86922, R51719, AA767718, AA936658, AA327526, T40891, BF328471, C21575, AU118658, AA779789, AA947097, H80837, AA057155, AK024283, AL133215, AL049428, AL133215, AL133215, and AL133215.
HSQFE72	2202	826311	1 - 343	15 - 357	H71423, H71422, T71082, R10526, R99143, H66815, AA470823, AA503070, H66816, and H72966.
HSQFE76	2203	853394	1 - 1455	15 - 1469	BF692392, AI590401, AW235548, AI684468, BE222833, AI828249, AI809249, AI762749, AW954090, AW118807, AA700939, AI393791, AW996765, AI094198, AA902442, BE813964, AA744618, H99498, AI355936, BF691727, R71693, N28317, AV723117, H91926, H20809, BF448897, R37727, H16782, H52794, AA384247, C01825, AA322288, H06042, R40180, H16892, H52753, D60571, AI866218, AA326532, AV723251, Z40946, H50448, R13892, H20860, H50449, AA376208, AW896575, H13376, AB052175, AC018902, AC018902, AC010674, and AC010674.
HSQFV12	2204	604964	1 - 553	15 - 567	AA524251, AL527122, AW269815,

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HSRAA81	2205	695759	1 - 1665	15 - 1679	AL524312, AL522827, AL516117, BE873250, AI922738, BG260938, BE792575, BF311244, BG121041, AI742798, AW473070, BG036096, BG178428, BG180370, BG031508, BE876480, AI521861, AW965166, AL524313, AU154596, AA156048, AW796242, AW605147, BE207270, BE081689, AW608807, AU147492, BE621819, AI937084, AW385322, BF197439, AU148219, AW071089, AV716431, AW474818, BE301182, AW834827, AI393092, BE220183, AW150166, AW247815, AW129619, AW439761, AA593405, BF058546, BE167300, AI191767, AU157014, AW247207, AI827281, AA055259, AW474734, AA082848, W01562, AW366702, AI274887, AW292560, AW292339, AI681022, N71255, BF698915, AW937927, AA454912, AI754310, AA961126, AA454836, AA088679, AI050679, BF997412, N58730, AI467791, T30213, BF851421, N62405, BF754744, BE082261, AW105535, AW206734, AA112191, AI187893, AA157459, H79378, AI630182, BE183938, Z40024, AU157710, AA759028,

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HSRAO56	2206	719816	1 - 1584	15 - 1598	BF367785, BF367817, AI758981, AI797998, AI204309, AW769687, AI336771, BF924753, H68343, AW514065, AV695478, AL041375, T15767, AV695953, AV718585, AI915081, AU145957, AI078409, AI340151, AW511778, AI733856, AW190484, AA487209, AA480486, AA469230, AA846923, BE676856, AA808861, BF203192, AI358928, AI224619, AA053463, AU158351, AI371208, AA299589, AI565126, AI610737, AA405726, AA503298, AA298365, AW341978, AW131417, AA904211, AI417464, AW512528, AU159566, AA492105, AW272389, AW341955, AA132491, AW089625, AA468923, AW150028, AA410788, AA862312, AA228778, T54901, AW571685, BE154909, AA626632, AA599712, AA484298, AI719142, AA513983, AW068786, H85808, AA601674, AA715876, AU160445, F00533, AI431513, AI280535, AI744905, AA832016, AI193587, AW020150, AI537368, AI521525, AI283938, AI679002, BE140949, AV764259, BE154381, F34506, AV764406, AA297208, AW238253, F23338, N68449, AW088631, AI025930, AI925065, AI823705, AA610381, H12857, AI824476, BE677029, AA995373, AI801505, AW473927, AW440368, N41775, AI791659, BF933309, AA630476, AW328446, AI491765, AI801563, AW901945, AW086291, AI299442, AI355103, AL041894, BE328286, AW008184, AU159614, AI871973, H85388, AI277373, AW243808, AA205304, AA251356, AI281818, C06004, AA635433, AI954464, AA652834, AA664126, AI609972, AA303049, AI476460, AW151247, BE327876, AI090377, AA468975, AI474127, AW192199, AI433131, AA085863, AW272815, AI914748, AA610433, AA993636, AI439816, AI865196, AA425924, BF589066, AI623423, AW236219, AI889612, H54292, N66927, BE300991, BF916055,

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HSRAV28	2207	581102	1 - 810	15 - 824	BE272087, AV756491, AA410788, AU147162, BF725884, AL042373, AL079734, AL042667, AL042670, AL046519, AW270385, AW103406, BG250286, AV763026, AV763058, AW958962, BF923365, AV702109, AW026305, AI421950, AI419337, AI962030, AI923052, AI284543, AA714110, AI361090, BF724838, BE139139, AI250552, AA644090, AA832175, AI800168, AI800180, AI053696, AW328331, BF725844, AI251284, AI251034, AI251203, AI223626, AV760469, AW970940, AW873261, AI254770, AW023111, AA515048, AW819125, AW275432, AW167909, BG223245, AI207728, AW410354, AA515728, AW303098, AU130337, BE138387, AW855803, AU118374, AA228778, AW502796, AI056177, AL036896, AA593537, AI061313, AW327868, AW271904, AI340832, AA714011, AA489390, AI753113, AW301771, AA502991, AA613624, AV723671, AI207424, BF826830, AW502873, AW328000, AI358928, AI755202, AI254779, BF868994, AA578621, AW576437, BG231195, AI066646, AI469599, T47138, AI160786, AL524675, AW971071, D44639, AI754170, H68343, AI754257, BF795891, BE138484, AW575785, AC008626, AC006487, AC006077, AL034379, AC006483, AL133246, AF196779, AC004757, AL135927, AC007227, AC005667, AL020997, AP000689, AC018797, AL033527, AC004253, AC005206, AC008551, AC004890, AL109984, AL161937, AC005962, AC008403, AL132777, AL135744, AC010200, AL353807, Z99755, AC003080, AL049776, AP001725, AC007664, AC025435, AC007688, M37468, AC004000, AC007277, AF001549, AC005666, Z93023, AC011445, AP000111, AC005694, AC020898, AL035587, AL109743, AC004824, AC005529, AC009311,

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HSRDM56	2208	601693	1 - 2009	15 - 2023	AU134908, AV713940, BG107456, BE870660, BG254088, BG121467, BE882410, BG171383, BF668229, AI638226, BE504884,

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HSRDW57	2209	562019	1 - 928	15 - 942	AL530596, AL530595, BF980986, BE748707, BF127552, AA291615, AA402192, AA292475, AA830063, AA652443, AI270545, AI928523, AA866174, AA461524, AA477033, AW298514, AA778558, AI500380, AW955121, BE539361, AA293673, AA768790, AA402823, BF843066, N95468, AA312083, AI205571, BF842518, AI198576, W74354, BF817326, AA770325, BE077353, BF084989, W76549, AI826564, AA764941, AI749672, AI262451, BF817239, AA236730, BF817243, BE889325, AA460596, AW189630, BF696893, AA220212, AC053520, and AC053520.
HSREC72	2210	601368	1 - 870	15 - 884	BF684287, BF686157, AI591334, BE925966, BE394759, BE925974, BE710971, BE394001, AI251809, AA368749, BE378266, AW411283, BE825693, BE378344, AA610381, AI754926, AI754257, AA664963, AA555232, AI568376, AW104161, AI753904, AI572680, AW847122, AI251024, AA598889, AA484298, AI434653, AW028376, AI571863, C75332, AV760579, BF888753, AA487053, AI445883, AA601376, C15279, AA218684, AW341955, AI357762, AW501278, AW662484, AA100107, BF942991, AW572721, AV764119, AI570067, BF944618, BG223384, AW888639, AI016560, AF126947, AA171400, AA132947, N25281, AA084320, AI744890, AI744199, AW262946, AA524604, AW338376, AI890297, AW129188, BE974200, BE272143, AI753131, AW615450,

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HSREG42	2211	839481	1 - 2623	15 - 2637	AU123821, BE741610, AU126215, BE748820, AU124913, AI186513, AU117829, BG117370, BE746370, BF033071, BE745284, BE741318, AW852329, AW084503, BE748350, BF204988, AW377487, AA639852, AW377564, AW852068, AW852052, AW852063, BF309081, AA029866, AI754458, AW389528, AA716174, AA461165, AA488403, AW852060, AA152257, AI375044, AU144555, AW389530, AU152255, AW852057, AA461339, AI804151, AW262139, AI352683, BE834287, AW770899, AI753033, AI129793, AI093294, AI590664, AI127266, AI192462, AI341959, AU129192, AI144376, AA669825, AU153039, AA248351, AA775800, AI949100, AA216443, AW852122, AI356709, AW377595, AW389511, AI754727, D83862, AI143178, AW069540, AU151366, AW954449, AU147228, AA565674, AW193900, AI753670, AA993392, AI085783, AU148682, AI689142, AA455307, BF091002, AA196274, AI090590, AA242948, AA155941, AA164857, AA029313, AA190829, AI160848, AW852272, AI092999, BF058547, AA653390, BF852017, AW367947, AI865846, AW664104, AA450170, H49173, AI092729, AA642345, AI192579, AF147073, AA187246, BE695683, AI384069, AA486286, BE219810, AW753017, AI081054, AA555181, AA242840, AW369027, AW151647, BF851989, AI302581, BF361156, W86626, AA242813, AA614456, AI040375, AA633645, W70089, AA252153, AW069487, W04807, AA450105, W86533, AA678601, AA113267, AA242879, AA101407, W42499, AA085855, AA085633, AA488536, AA179761, W19187, AI582524, AW886880, AA180337, AA489307, AA328932, AA187378, AV656934, AI807754, AI751340, AA166680, AA155912, AI370239, R84542, AI128955, AA961813, AA025420, BE695839, AW878062, BE856994, D31085, AA599329, T98173, AI952379, H01012, AA083299, AA295358, AI753188, W42650, AA852329, R36585, AA343268, T69976, AA923800, AI370172, AW079302, AA375799, AA101439, T94048, AA340431, T54461, AA340909, AA310111, AI686434, BE695701, R36584, AA340816, AI799528, AA339155, AA190681, AA083184, T93022, BF090943, AA374025, AA329739, AI083602, BE294814, AA375517, H01758, AA242739, AA495727, AA375708, AA375223, AA775586, AW270193, AA346892, AA227254, BE932840, AA700352, AA248840,

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HSRFD18	2212	840771	1 - 1875	15 - 1889	AL037444, BE889424, BF439488, BF446681, AW297772, BE644962, AW295194, BF740081, BF813145, BE466328, AA716418, BE675824, BF196138, AI280149, AA814882, AA813632, BE221432, BE677733, AA358821, BF246362, BF700198, AW452195, AU144490, BE220601, AA761963, AA658222, AA327922, AI123037, AI473112, AW390382, BF992291, BE928864, R99503, AA055144, AU119961, AA182647, AW390381, AU130604, AA182483, AW390436, BF693283, AA054934, BF849246, R98214, AU117739, BF993158, BF002983, AA248903, AA179387, AA182760, AA934941, AI474620, BF670121, BF858341, BE928859, BE150427, AI912621, AA938230, BF919684, AL096819, AK023095, AK000945, AL117441, AL096819, and AL096819.
HSRGZ11	2213	801929	1 - 771	15 - 785	BF973524, AW406519, BE910419, AW009532, AA477685, AA402163, BF973663, AA160741, BF843820, AA423929, W68042, AA464995, AA452659, BE856742, AA393237, AI076641, W56822, W67915, AW150850, AI191502, F21543, AA806534, AI191388, H61770, AI002128, AW958491, H96459, BE673368, AA416968, BE186026, BE837675, AI312558, AA429207, AA160488, AI208496, AI521067, AW404471, AW874503, AA563907, AA398098, BF222167, R82838, AI909711, W38963, BE092386, H46518, BE856901, BF805709, AA927015, H00291, H18160, M91392, H46905, AA421433, AA421393, BE186016, AA211800, AI341182, AW974575, BE277183, R00695, R23065, R53405, T06427, AI928312, BE799503, W19396, AA040066, AI674234, R00694, BF590280, AA534160, BF241878, AW362660, AA535578, BF972180, AA477686, AI057633, BF196922, BF758356, BE729984, BF435436, AA094720, BF125890, BE408601, AW242776, BE312262, AA626269, AA478261, AA723616, BF125726, AW149686, AI807188, BE266680, BF062008, AA421310, AA602390, AW575334, AW043797, Z20415, AA830275, BE265203, AA594308, AI797817, AI199560, AI824146, AI291269, AI769148, AI598203, AW028780, AI356817, AI800623, AI589620, AI051335, AI083666, AI336382, AA836282,

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HSRHB59	2214	840384	1 - 840	15 - 854	AL529558, BE544003, BE904197, AL529557, BF976522, BE396060, AA573749, BE742431, AI146823, BE277076, BF982907, BG033982, AI188773, BE731100, BF969024, BF436357, BE906349, BF037060, BE867407, AI568541, AA722943, BF338991, BF939731, AW170454, AI923698, BF732637, BG058538, AA521178, AA533142, BF939950, BF315782, BG231826, AA804752, BE877022, AW338909, AW131539, AA015608, AW043777, BG149572, AI698061, AA593783, AI933058, AA643060, AA663421, AA703401, AV720993, AW071963, AA039776, AA456443, AI138427, AI138414, AA533023, H23130, AA907140, AW152014, AI801378, AI610779, AW663696, AW572544, N26720, AI093094, AI151518, BE383004, AW072663, BE255503, BG254279, AI304710, N24139, AI149055, AA454551, AI933334, BF439162, BG119381, AW080898, AA622274, AA507256, AI620143, BE394388, BE395729, AW182376, AI697428, AA039775, BF528995, AV707095, AA524569, AA531183, AI220889, AW338325, AA654232, AA846012, N27443, AW405784, AA740351, AI219391, BE252842, AA918212, AA593600, AA783005, AI580822, AA027099, AA618553, AI088426, AI095684, BF058620, AA045000, AI183776, AI494448, AA004751, T31863, AW873110, AI568828, AI147215, AI014428, AW188928, AW515463, AA769944, AI016448, BE389164, AA505892, H43415, AW304223, BF237531, AA622063, AA953741, BF033740, Z25158, R88201, N34730, AV703342, AA613472, AI082072, AI680293, N70738, AA459666, H09727, AI676075, BF983376, AI589462, AI919373, R62771, H00985, AI580737, BE787727, R99086, BE564035, AI174578, AW882742, AI198459, AW087263, AW177682, H01727, AW384460, BF032493, AW384520, W19327, AW384476, AA039740, BG120362, R25172, AA766012, W57689, AW074349, AI904388, BF087428, BF032092, BF347310, AI381412, D20850, D56394, AA234663, F00394, AA826987, AA876092, W25490, BE276570, AW952097, AA027136, BE833425, R19501, Z24996, AW404325, BF383176, N34604, F00410, T34142, BE409538, AI204411, T35354, AI702372, AA909937, AA263065, BE819628, BF960525, AA312907, T35334,

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HSSAN03	2215	598717	1 - 739	15 - 753	AL120021, AA173960, AU151682, AU153475, AU155300, AA825673, T92881, AA446597, AW978856, AI735501, AI264654, BG236429, AA111979, BE218943, AI358113, AA083714, AI580328, AI474740, AI761113, AW628352, AI298059, AI612941, BF064245, T91722, AI565355, AI784391, AA180958, AW361854, AA283988, BF095171, T10810, AA180813, AV691331, T92488, BE932247, AK024270, AC013631, AC013631, AC013631, AC068769, AC068769, AC020694, AC020694, and AC020694.
HSSCC66	2216	559402	1 - 850	15 - 864	BG231324, AL079295, Z81313, and AC008569.
HSSDI13	2217	580877	1 - 1849	15 - 1863	AC036224, AC036224, AC036224, AC024191, and AC024191.
HSSDQ20	2218	824813	1 - 1100	15 - 1114	BE169347, BE925812, BE925803, AL535374, AA012835, AW501161, T07365, AA984341, BF204361, BF352373, BE560547, AI803142, AA954361, BE675209, AA812064, AB020641, AF033655, and U62391.
HSSDX38	2219	824825	1 - 782	15 - 796	AV726557, AL078605, AL078605, and AL078605.
HSSSED57	2220	637675	1 - 1531	15 - 1545	BF568983, BF568577, BE741853, AL045513, BE621937, BF568749, BE874128, BF754317, BF591072, AW418707, BE272199, BF432500, BF748920, BE857442, AI693839, AW612009, AI636092, BF568676, BE019821, AI760753, BF874517, BF093736, BF841920, AW818202, AU152845, BE543593, AI816906, AI379530, BE672032, AA420748, AI955819, AI417482, BF841992, AI084854, AW274853, BF034129, AA635992, BG255178, AI310716, BF056942, AA420809, BE208181, AW590507, BE139661, AW165956, AI262954, AI627637, AA883654, AI610670, AI564305, AI520717, AI401725, AW025828, AI651711, BG010518, BF221990, AW606685, AI955145, AA464402, AI375453, AW511875, AI282557, AI949447, AI202554, BE206371, AA417928, AI689947, AW511884, AI373160, AA418179, AI202339, AI401085, W19807, BE672279, C21439, AI918278, AI277158, AI886023, BE872721, BE336658, AA557528, BE965529, AI620735, AW189234, AI926077, BF154476, Z19841, AA843727, AI364409, T12314, BF872182, AI400523, AI161321, AA405654, BF668922, T84944, BE878197, BE261136, BE262956, BF314334, AU137536, BF314654, BF315757, BF304271, BE260030, BF206548, AA813583,

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HSEL28	2221	838618	1 - 1719	15 - 1733	BE740647, BF344231, AA780060, BE788470, AA034018, AA116011, AA915944, AW378593, AW271557, BF055986, AI681876, AW339335, AA398448, AW084468, AI633704, AI740833, AW139883, AI656547, AI458238, N90803, AI818390, AI399646, AA034143, AA211490, BF675942, AW886611, AW960569, AA461619, AI129806, AI812078, BF032919, AI668877, AI273632, AW469319, T49415, AI631556, AA809308, AW263744, AA084112, H50725, R41729, AI143804, R35213, AA613086, AW888625, AI090166, BE694556, AA034142, BF915258, BF082689, AL121198, BF939493, T83650, Z39472, AA211538, C04036, BF082688, AA826511, H50639, AI264905, AI796927, C06078, AW237539, AA304773, AI151054, AI954182, H53733, AA782052, C20810, T74569, AA602189, BE890831, H20441, AA291774, BE247069, AI972653, AI659824, N28624, BF219169, AW518973, AI468564, C17160, T83813, H00402, T74624, AI351866, BF802131, H13797, F02799, BG223007, AI559583, AW193063, F04017, BE147114, C04580, AW138382, AA618621, AI191745, AI983047, AA999786, AW502873, AA622479, AI005146, H13798, AW954440, AA461445, AI431513, AW505253, AI733856, N33164, T57767, H20442, AA525253, AW089016, BE062476, BE062545, AW083934, AA633189, AA225406, AV764259, AI066646, AA985201, AI783911, BG222875, AA743968, BE062478, AW663283, AV695478, AA632765, AW769151, AA197019, AW958962, AI635028, AW272294, AI244356, AI612142, AI050076, AA483606, AA857812, AA568204, AA570740, AA228778, AI889579, AW973027, AI471476, AW516988, AI357628, AI955029, AI216990, AW054936, AA551798, BF841045, AA935827, AW237905, AA715814, AW238341, BG057207, AA070899, BF760573, AI915081, T50676, AI355246, BF747326, BF925837, AI755202, AA829065, AI216151, AI623764, AA579152, BG114430, AW008184, AI354243, AV718585, AI223968, AV655282, AA176604, AL079734, AA947265, N59744, AW163763, AK000514, AC004020, AL117581, AL117494, AK025910, AC005730, AC003690, AC010271, AF168787, AP001052, AL035461, AC006241, AL022323, AL021397, AP000694, AC005412, AC009600, AC005531, AL354864, AP000359, AF165926, AL355497, AL031315, AL121653,

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HSSFP88	2222	658726	1 - 1403	15 - 1417	AL521424, AL523210, AL514620, AL523209, BE739509, AL536205, BG031889, AI057627, AL514619, AI479627, AL525645, BE314805, AI859259, AI523551, AI885132, AL537131, AI660477, BF345159, AW958486, AW170144, AA779831, AA699996, BF793361, BF311286, AW001491, BG108512, AI191325, AI814375, BF691744, AA779172, W60861, BG258324, AI267877, BF038307, AA434226, BE891149, BF338341, AA557294, BE782287, AL521425, AL037181, BE388115, AI371147, AW009827, AI191738, AI149368, BE018452, AA449960, AW574717, BE856127, AI523552, BE276916, AA324535, BG027266, BG170162, AI401735, AA916827, AI056484, AW148512, AI341747, W42799, AA846389, BE382803, BG115029, AA173280, AI520661, AA405603, AA773096, AA612929, AW958520, BF206870, AI741705, BF929696, BF751515, AA582585, BE314640, AA223253, BE252212, AV647239, BG109634, AI952905, AW300754, AW167381, AI952061, BE739244, AW518702, BE548451, BE261658, AW084813, BE387175, BF087318, AW589482, AW957316, AA188656, BG122405, BE302065, AA708856, AA873019, C18348, BF849877, BF939729, H39026, AI202617, AW967939, AA612830, N74258, BG119829, R85547, N35339, BE536344, AA857247, H41500, BE780354, BF206872, AA559142, AA953999, AI611415, AW272284, BE262392, AA826989, AA578247, N95254, BF931945, BE857465, AW338532, BF929625, AA284487, AA516267, W60737, H39797, AW166856, AW517268, BE709158, F32639, BF002936, AI623493, R87508, N89722, H41555, AA309639, AA826718, BF530602, AI361539, AA213790, BE297709, AI869008, R85567, AI864037, BF037516, AA258866, T32944, AI244230, AI611540, BF791959, AA410556, AA825443, F10385, BE882636, AA405546, N55535, AA213875, AA074090, BF940204, BE268774, H14093, AW392209, BE560984, BE560800, AI002669, AA903640, AA604307, BE077235, R85944, T23531, AA857144, AI278090, AA223353, H84923, AI361274, AW580277, AW467485, AI187996, AA401201, AI340553, BE243365, BF206512, AA353090, T75048, AA188558, Z41846, W42691, AA857402, AI282309, AI972748, AI350817, F09003, R48954, T68752, N93821, BF305409, AW074148, BG167097, AI874227,

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HSSGS62	2223	741162	1 - 1375	15 - 1389	AW337710, BE676910, AA975859, AW972858, AW024320, AV759167, BF589770, BF666751, F08743, AL120694, AI280722, R60158, AI800357, BE562634, BE731709, BE973607, AA907133, AF001548, AL031584, AC002981, AC005972, AC007570, AL133238, AC018758, AL031058, AC005670, AC007637, AC003037, AL133244, U91321, AL022165, AL049538, AL080314, AL109921, AP000501, AC010412, AL138836, AL121929, AL121776, AC020728, AC020744, AC005726, AC004216, AC003036, AC002302, AC022596, AL159168, AC007981, AC002073, AL008732, AP001713, AL049709, AC004965, AC018769, AC020916, AC004968, AL162615, AL157838, AC027319, AP001710, AL050341, AL136097, AL138976, AL138756, AL117380, AL139353, AC002352, AC073898, AC005229, AL118520, AL133551, AC008008, AP000101, AC004867, AC007298, AL163249, AC005668, AC013434, AL137230, AF134726, AC007383, AC005911, AL158040, AC008018, AL139350, AC084239, Z83822, AP001711, AL078591, AC011479, U91326, AC005829, AC073934, AC008125, AC002551, AC005562, AJ400877, AL035450, AC006197, AC007263, AC005274, AC018738, AL109984, AC007358, AC002375, AC003003, AC008551, AC008750, AC002470, AL078596, AC005409, AC004491, AL031283, AC006449, AF196779, AC009331, AL050335, AL121897, AC003950, AL133153, AC007308, AC004913, AC006538, Z77249, AP001714, AC010458, AL121753, AL109824, AC007052, AC067817, and AC067817.
HSSJA23	2224	847089	1 - 1974	15 - 1988	AA649842, AA862149, AA789204, T99390, AW294795, W67184, AW594477, AA350809, AI632515, BE502351, BE064477, AW953291, AI632521, AW594584, BE151119, AC002996, AP000111, AP000043, AC004876, AP001716, Z84484, AC002996, and AC002996.

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HSSJF26	2225	567431	1 - 1287	15 - 1301	AA516047, AW023111, AI921765, AW102811, AI653525, AA971196, AA525293, AA669054, AA284247, AA508036, AI433131, AI610468, AI049845, AA644090, BF868994, AI918419, R70883, N71033, AI133083, N57704, AA935827, AW963444, AI284640, AA513551, AW188742, AA564800, H68343, W02749, BF837694, AA364006, AA158549, AA243976, AW188976, BG057631, AC004859, AL353701, AL049631, AL358777, AC005484, AC005102, AL133245, AL136170, AL391114, AC003663, AC004851, AC007688, AC009955, AC006208, AC020904, AL356801, AL096766, AL034555, AL353807, AL031291, AL050349, AL024507, AC018758, AC005103, AL136162, AF047825, AL139353, AC006449, AC006965, AC008267, AL161937, AC010422, AC002045, AF190464, AL133415, AL133163, AC007664, AC004491, AC005071, Z85986, AL008719, AC008055, AC004977, AC010618, AP000501, AC008623, AC008812, U47924, AL138836, AC009116, Z97056, AC005666, AC007201, AC009509, AC002996, AC005730, AL121712, AC020916, Z99755, AC006312, AC005005, AL109627, S42653, AC006241, AL035406, AC009194, AL354872, AC005880, AL138478, AC008733, AL132855, AF024533, AC006345, AP001693, AC004876, Z69917, AC005088, AP001714, AC016637, AL133243, AF001549, AC008934, AC005500, AC007684, AC000070, AP000500, AL356299, AF165926, AC003070, AL133246, AC005971, AL355984, AC011904, AP000552, AC004034, AC005043, Z84487, AL050325, AC004990, AL121754, AC000120, AL162458, AC005236, AC002312, AP001725, AL049757, AC006329, AJ295844, AC020913, AC007349, AL121890, AL121751, AC004143, AC009060, AC008556, AC007686, AC006285, AC002401, AL109801, AC006483, AC007220, AL162724, AL022721, AL109955, AC005736, AC004237, AC006344, AP000272, AC026431, AC008762, AC004678, AL049868, AL450226, AC007312, AC001228, AC004167, AF053356, AL109797, L48038, AL117333, AC003043, AC068799, AL389875, AC005057, AC002364, AP000220, AC004009, AC009086, AL137039, AC009288, AC004813, AC005409, AC020945, AC008738, AL353777, AL122013, AL035455, AL442166, AL133453, AL121655, AC004211, AF307337, AC005523, AC016995, AC011490, AC009000, AC008848, AC009079, AL139095, AC007404, AL163284, AC005755,
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HSSJF96	2226	853396	1 - 2178	15 - 2192	AA188939.
HSSJM47	2227	796096	1 - 1138	15 - 1152	BF818822, BE763808, AW886597, AA280172, BF360542, AI858610, R10553, BF818773, AA643713, BF093098, BE940248, BF092954, BF093015, BF093029, BE934471, BF093013, BF089216, BF092944, BF083995, BF092950, BE940263, BF357109, R18212, BF092947, AW879458, BE763741, BF093072, BF092953, BE934333, BF093027, AW952352, AI554747, BE833264, BF084018, AW801742, BF093096, BE791619, R34399, AW886711, BE940212, AA077599, BE089881, AI201384, AI076623, BF092952, BF093101, BF230061, AW796474, AA076734, AA622885, T62577, BF874603, AW470734, AW578638, BE799982, AA077600, BF812369, BF092942, BE561553, AA039677, AA074393, AI696900, BE940256, AW264938, BF377500, BE834070, BE271069, BF981321, BF129137, BF129145, BF084045, AI247893, AA325208, BE263150, AW977486, BF305107, AA459899, BE295807, BE394029, BG107186, BE075438, BF336855, BF230048, BF230047, AW754277, BE270898, BE940194, R10147, BE934330, BF089326, BF132409, BE168330, AA757892, BF733651, BE385165, AL042573, BE408382, AI075879, AC006014, AC005098, AC004166, AC004867, AC005488, AJ007798, AL137492, and AC005049.
HSSJW30	2228	779822	1 - 1879	15 - 1893	BE799955, BE794656, BE793824, BF688644, BE397729, BE878104, BF689027, BF509067, BF683635, BE561724, BE901375, BE275418, BE796759, BF344869, BE901122, BE900851, BF303902, BE264428, AW958730, BE790981, BE382981, AL532282, BE891383, BE304642, AL041099, AI885104, BF516029, BE382994, BE881859, AI760759, AI636892, AW976417, AI424428, AI625786,

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					<p>AW327503, AI953869, AI201609, AI910981, AW082766, AI146619, AI569255, AI086769, AI621139, AA994210, AA306366, AA293512, BE857373, W46902, AI942233, AI085325, AA293445, AA419449, AI335445, T03749, AW193150, AA570642, BE550730, BE674593, T65307, AI208553, BF878747, AI349240, AA043320, BF983112, AI809076, AA477113, AV692342, BF870406, AI479316, BE908529, BF339345, AI017370, AW753505, BF926056, BE076291, AA974286, AW578163, AI682519, AA357491, AA477361, AA433827, AI970286, AI869953, AW079422, F13454, F09879, AI312142, AI671920, AA047423, BF303756, AA419450, D31091, BF856817, AA323199, AW753956, AW363053, AA555263, BE839159, AA047422, AW753959, BF437198, AI239614, AA743124, AA888662, AA992760, AA595045, AA325805, AA640005, AA334356, AA935392, AI934733, AA043319, AW403370, BE243612, T66068, BF001221, Z41892, AI364335, BF841439, BF031219, AW027039, AA476305, BE706169, AW075070, AW316881, AW316846, AW514413, AW515756, AW089787, AW075073, AW797004, N73284, AW392803, BF869387, Z38193, AW071228, BG006071, AW000913, BF062268, W02332, AA932476, AW168068, AA865966, AI569256, BF808770, BE835062, AA324393, BE926421, BE709131, BF870309, AI524991, BF870821, AB029012, AL137738, AC007227, AK025988, AK026395, AB042297, AL135927, AL135927, AL135927, AC007227, and AC007227.</p>
HSSJW30	2229	850566	1 - 2094	15 - 2108	<p>BE799955, BE794656, BE793824, BF688644, BE397729, BE796759, BE878104, BF509067, BF689027, BF683635, BE561724, BE901375, BE275418, BF344869, BE901122, BE900851, BF983112, BF303902, BE264428, AW958730, BE790981, BE382981, AL532282, BE891383, BE304642, AL041099, AI885104, BF516029, BE382994, BE881859, AI760759, AW976417, AI636892, AI424428, AI625786, AW327503, AI953869, AI201609, AI910981, AW082766, AI146619, AI569255, AI086769, AI621139, AA994210, BF856817, AA306366, AA293512, BE857373, W46902, AI085325, AI942233, AA293445, AA419449, AI335445, T03749, AW193150, BE550730, AA570642, BE674593, T65307, AI208553, BF878747, AW753956, AI349240, AA043320, AI809076, AW363053, AA477113, AV692342, BF870406, AI479316, BE908529, BF339345, AW000913, AI017370, AW753505, BF926056, BE076291, AA974286, AW578163, AI682519, AA357491, AA477361, AA433827, AI970286, AI869953, BF303756, AW079422, F13454, F09879,</p>

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HSSJW30	2230	867721	1 - 2252	15 - 2266	BE799955, BE794656, BE793824, BF688644, BE878104, BE397729, BF509067, BF689027, BE561724, BE275418, BE901375, BF683635, BF344869, BF303902, BE264428, AW958730, BE901122, BE790981, AL532282, BE304642, BE891383, BE900851, AL041099, BE796759, AI885104, BF516029, BE881859, AI760759, AW976417, AI636892, BF869387, AI424428, AI625786, AW327503, AI953869, AI201609, AI910981, AW082766, AI146619, AI569255, AI086769, AA994210, AI621139, AA306366, AA293512, BE857373, W46902, AI085325, AI942233, AA293445, AI335445, BE382981, AA419449, T03749, AW193150, BE550730, AA570642, BE674593, T65307, AI208553, BF878747, AI349240, AA043320, AI809076, BE382994, AA477113, AV692342, BF870406, AI479316, BF339345, BE908529, AI017370, AW753505, BF926056, BE076291, AA974286, AW578163, AI682519, AA357491, AA477361, AA433827, AI970286, AI869953, BF303756, AW079422, F13454, F09879, AI312142, AI671920, AA047423, D31091, W02332, AA419450, AA555263, BE839159, AA047422, BF437198, AI239614, AA743124, AA323199, AA888662, AA992760, AA595045, AA640005, BF983112, AA334356, AA935392, AI934733, AA043319, AW403370, BE243612, BF856817, T66068, BF001221, Z41892, AW753956, AI364335, BF841439, BF031219, AA325805, AW027039, AA476305, BE706169, AW075070, AW753959, AW316881, AW316846, AW514413, AW515756, AW089787, AW075073, AW797004, N73284, Z38193, AW071228, BG006071, BF062268, AA932476, AI524991, AA865966, AW363053, AI569256, BF870309,

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HSSMY35	2231	740765	1 - 817	15 - 831	AL519648, AW170543, BF528067, BF913222, AI335452, AW604899, AI817215, AI925444, BF375780, AI608844, AW001348, AA853941, BG178695, AI811673, AI805743, AI382206, AA279139, BF975942, BG258971, BF445253, AI571300, AA565014, AA923303, AW604905, AW973191, AW604898, AI345340, N68518, AI832033, AW152126, AI581149, AI334950, BE275563, AI366971, AV706788, AI591352, AI934699, AI366962, AW604908, AI201993, AW190506, AI913195, AA825666, AI628955, AA478024, AI553809, BF914370, AI860471, BE567651, AW609796, AI675988, AI359747, BE675074, AW274219, AI435257, AI340530, AW104823, AI377017, BF594915, AI949327, BE565222, AI766662, AW073037, W79182, AI393781, AL041758, AI359732, AI628311, AW089578, BG058748, AW301969, AA434430, AA485730, AA733167, AI923566, AI914921, AI969209, N95348, AI626037, AW956458, AA026165, AA057212, AI004361, C06478, AA458890, AI349414, AI167359, W74428, AW966062, AI689065, AI687123, AI349785, AI334448, AI345581, AI288378, AA652404, AA293168, AI348864, AA740650, AI343129, AA810877, AV746022, AW071400, AI018718, AI312239, AV729006, AA936549, AI313347, AA953579, AI349751, AI457337, AI214147, AW439522, AA484907, AI085839, AA564803, AI042587, AI088716,

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HSTAL93	2232	841863	1 - 958	15 - 972	AW963935, AI972731, AI571823, BF590898, AI963666, AL135050, BF000390, BF809182, BF809139, BF805611, AA379413, AA279383, BF591153, BF528303, AA484748, BF850996, BF339483, BF763975, AW849803, BF764822, BF903012, AA203135, BF761887, AA385927, BE062478, AL022324, AL137651, AF064548, AF077820, AB017498, AF077847, AF064984, AL354766, AL080243, AC007782, AL035067, AL080249, AC005015, AC004686, AC007056, AL133548, AF091544, AC004605, AL109758, AC004841, AL031281, AL136991, AC018801, AC018644, Z97054, AL049540, AC007684, AL035410, S61826, AC004499, AL133354, AC002365, Z84476, AC024123, AC024123, AC051652, and AC051652.
HSTBG23	2233	647150	1 - 1681	15 - 1695	AA380092, and AC012591.
HSUAF06	2234	863206	1 - 1306	15 - 1320	AV762098, BF677892, AI284640, BG249643, AL046409, AW303196, AV760777, AW301350, AI270117, AI334443, AV710066, BF697673, AA490183, AW274349, AW500125, BF241967, AV760937, AF330238, AI133164, AL046205, AV763354,

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HSUBX67	2235	751266	1 - 791	15 - 805	AA551254, AA775468, AW474168, AL038842, N40092, AL132825, AC006238, AL136365, Z83847, AL157713, AC006057, AC007182, AL035458, AC005972, AL133153, AL132653, AC008688, AC004491, AC004228, AL022476, AL160231, AL137787, Z83848, AC004686, AC083866, AC025436, Z93020, AC006120, AC009784, AL109839, AC004531, AF205588, AL162291, AC008179, AC003085, AL132639, AP001728, AC016637, AC007999, AC010462, AL354720, AC007308, AL139109, AC024561, AC008772, AC002470, AF049895, AC003108, AF224669, AL109920, AJ006345, AC006071, AL353739, AL133246, AC007160, AL359272, AL031733, AL117337, AL121777, AC002418, AC010102, AL035249, AC004386, AC006946, AC007376, AC011299, AC000085, AC004806, AL136992, AC007782, AL133453, AL163209, AC007744, AL136136, AC005486, AL136532, AC004448, AL049830, AC010748, AL391122, AC008805, AC004782, AL355385, AP001717, AC004662, U85195, AL157372, AC018644, AL133517, AL391839, Z73986, AL390039, AE000658, AL133500, AL133332, AL136000, AL022395, AL139289, AL132825, AL132825, AL132825, and AL132825.
HSUSB73	2236	603912	1 - 1524	15 - 1538	AI252243, AI254167, BE042057, AI251364, BE043900, BE043637, BE043603, AI254151, BE138442, AI003172, W60516, T91187, AV728248, AW021285, AW974044, BF857619, AI588856, AW794458, F32591, AI889440, BF898478, BF898917, BF898479, BG023913, AL038785, BF843301, AW268190, BE879516, AA744444, BE895293, AA284179, AW440836, BE536908, BF996303, AI133235, AV709281, AA551509, AI625570, AA384915, BF850953, W74543, AW069807, AL037574, AW972858, AI445815, BE869857, AI160582, BF856556, AL042756, BE061909, BF771233, AI537185, AI003743, AW103981, AA070162, AI474713, BE045233, AI783911, AL533967, AL037550, BG012089, AA384904, AW131034, AA176605, AA775520, BE066519, AI890923, AA486970, AA077952, BF877455, AI053429,

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HSVAC05	2237	836051	1 - 684	15 - 698	AC013746, AC013746, and AC013746.
HSVAE42	2238	655368	1 - 511	15 - 525	AV715377, BE892572, AI352290, AL046944, AI553926, AW243767, AW021909, F37323, AW058275, AA853033, AW189301, AI624279, AI151035, AI241678, AI564160, AW192228, AW172981, AI926794, AI340627, AI625316, AI440263, AW188382, AL119748, BE781637, BF814408, AI648508, AI702527, AI679990, R41605, AI688848, AI049733, AI310575, AL048312, AI419826, AI310582, AI334893, AI889256, AI340533, AI584130, BG105381, AW129929, AI612885, AV703555, AA427700, AI312156, AI676251, AW151974, AI687295, AW004896, AI586931, AW130711, AI445505, AA417278, AA573899, AW074057, AI313320, AV744830, AI336495, AV737782, AI345639, AA630788, AI313352, AI310920, AI340529, AI307503, AV744972, AI277008, BF569536, AI334889, AI336585, AI334913, AI349266, AI334452, AI349787, AI344938, BE962811,

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HSVAL83	2239	809113	1 - 847	15 - 861	BG113299, BF969040, BG028917, BG105381, AI146401, BF792099, BG164909, AF019298, AF116688, U72620, AF155148, AK026746, AF043642, AK025589, E01075, I07991, AL137463, and AC009269.
HSVAT36	2240	604965	1 - 557	15 - 571	BE782578, AC021098, and AC021098.
HSVAV02	2241	604966	1 - 432	15 - 446	AC026149, and AC026149.
HSVBA83	2242	812059	1 - 766	15 - 780	T70760, AL134279, H56457, T19858, N56319, AA091532, AI000340, R47500, W16595, AW152297, AA002027, AA902666,

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HSVBD37	2243	637110	1 - 450	15 - 464	AV709390, AW950411, AW029605, AI096763, AI127867, AI927440, BG056965, AI678797, AI560226, BF448017, BF436018, AI962919, AI139309, AA569965, AI582384, AA929063, AA037231, N41010, AI219156, AW517179, AA149848, AI335713, AU145938, AA780355, AI805878, N53358, N93863, AW341952, AI186941, AI150692, AW028880, AI360750, N51116, N52620, AI807004, AA149803, AI342701, BE966826, AL079879, AW778815, AI887136, N23609, AA069437, AA621741, AI431806, BE045706, AI436746, AL036485, AI457509, BE552098, AA969967, AI498680, AI092072, AI922485, BE501550, AI887907, BF115105, AI476678, AA480367, R62367, AI338819, BF115838, BF195730, AA983931, BE395341, AA745926, AI122849, BE220071, AI760974, AA328457, N67604, AI095709, R43155, AI358678, BF436189, AI216130, AI264775, AI682803, AI969128, AI475028, AI301094, H88637, R56869, AI695379, AI858940, BF340377, AI253109, AW138433, BE379642, AI767055, AI360714, AW855497, AI873779, R41502, R26824, BE885672, AI701207, R62368, D25622, AA599581, BE539405, C21338, AW150149, AI274619, AA043228, AA977157, AI624602, AA031945, AI038221, AI684288, AW292059, AI245526, AV734332, AI536548, AA205455, AI239714, AA918432, AI200628, AI589950, AI753266, AW192530, AA204845, AI582923, AA224837, BF681640, AW022508, AI871905, BE879409, R26022, AI690813, BF340284, AI571439, BF814449, AL514015, AI679550, AW194014, AI669864, AW198090, AI538850, AW089844, AL514087, AI245008, AI267454, AI802542, BF868489, AI345416, AI345612, AI345415, AW051088, AI589428, BG260287, AL120307, AL515033, BF753022, AI765469, BF762612, AI536685, BF812960, AW075382, BE966968, AW020397, BF527697, AI147292, BF970652, AI537677, AI270183, AI538008, BF969228, BG120896, AI950729, BF792520, AI368579, AI621341, AI475371, AI673363, AI499963, AI435268, AI866090, AI567582, BF911517, AL514025, AI925164, BF835240, AI432570, AI521095, AI797538, AI522052, AI624693, AI345688, AI698391, AW268122, AI250627, BF871314, AL514493, AI446511, AI969655, AI884318, BF814357, AW051059, AI289310, AL037582, AL037602, AL514691, AI500061, BG029829, BE876049, BE393784, H41759, AW075608, AV705323, AI961589, AI473536, AI254727, AL515171, BG001235, AA908294, BF814450, AI628015, AI281867, BG108406, AL514205, BF309444, AI312542, AL046466, AW131165, AA514684,

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HSVBN46	2244	603034	1 - 771	15 - 785	AF178030, and AF178030.
HSVBY62	2245	637113	1 - 396	15 - 410	BE907643, AW327356, BG164383, AV735093, BF792025, AV756498, BG109142, AV757265, AI686064, BG109661, BG029612, F36107, AI524513, AV744389, AW104310, AA128297, BE560561, AI125537, AI302668, BF678743, BE905381, BF216773, H72703, AA130380, AV682013, F27615, BE394168, AA934903, AV712461, N99899, AI125542, H72704, AI796626, AA314160, BF975221, AW518185, W68325, F24460, AI832538, F30577, W68324, AI497592, AA872295, AA070687, AA054941, AW006071, AV758709, AA962230, AW274476, AI197806, BG008943, AI198400, AW005308, AA884221, AA302263, AA722653, AA652237, AA594400, BE737684, AI718047, AI302442, AA054942, BF680026, AI245664, AI139027, F25027, N63141, AA927181, F36673, AA846168, BF207713, AI660015, AA908189, D50999, AA329037, BE738658, AI589655, AI499968, AA366606, F30607, BF238919, T79469, AA515879, AV711850, BE041814, F26441, AA769698, T79560, F34346, BF214417, T97719, AA483049, BF091216, AI207479, AA302083, W25240, T97822, BG059341, BF216648, AA687617, T85228, AA492203, AA535395, AW793013, AA602796, AW238261, AA216085, F24359, T89188, AW514738, BE615484, AA649489, BF246601, AA642762, AA935966, AV743817, AA634729, AV744110, BF239063, AA886084, W55855, AA344058, T24567, BF383068, BF246068, BG099692, AA062811, BE707385, R29682, BG230802, BG231094, AW362810, AW131255, AA128316, BE567457, AF085986, AF070661, AF086763, U73629, AC004770, AC004228, AF119902, AF137396, AP000591, AP000591, AP000591, AP002380, AP002380, AP002380, AC004770, AC004770, AC004770, AC004228, AC004228, AC004228, U73629, U73629, and U73629.
HSVBZ53	2246	830117	1 - 1290	15 - 1304	BG029720, AW374058, AV724415, AW374043, W84439, H98077, AA725816, W52869, AI926580, AI185775, AI360440, AI969941, BF430989, AI718705, AA968470,

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HSVCF53	2247	846129	1 - 1234	15 - 1248	AI733145, AI744503, AI694409, AI744523, BF439339, AI285769, AI457670, AA765909, AI792788, AA933872, AA252019, BE142230, AC008806, AC022148, AC022148, AC022148, AC008806, and AC008806.
HSWAZ17	2248	637682	1 - 900	15 - 914	AW410749, AI949392, BG222287, BF339804, AA524168, BF347568, AW468222, AI336956, AI472031, AW173509, T51972, AI539145, AI336965, AI926069, BF109101, BG114475, AI290127, T23577, AW103400, BE612411, AI612748, AI825326, AI638881, AI651838, F32859, BF448791, R54587, BG059516, AW268111, AI474364, AA991513, W01259, AW839643, T52053, AI864089, BE302196, AL515035, AL514869, AL514829, AL515375, AL514819, BE613077, AI637584, BE905408, AW198090, AI889376, AL514939, AI432969, BG179993, AI541056, AV657079, AI862139, AL514757, AL513961, AW148536, AW082040, AI538259, AW081298, BG036520, AL514793, AI569616, BG058398, AI590021, AI811863, AL515043, AV681647, BE910703, AI524671, AI469532, AL513553, AL515413, AL515191, AL514357, AI683475, AL513991, AL514799, AV723745, AI491852, AI590118, BE967187, AW301409, BF970652, AI802542, AI696612, AL514087, AL513631, AI564719, BG222103, AI709329, BF793244, AI871923, AW104724, AL036361, AW132056, AW071349, BG030189, AW673679, AI677796, AI284484, BF868489, AL514867, AL513577, AL514473, AI445025, AW129659, AL079963, AL513713, AI702406, AI433157, AI702073, AW302988, AI610690, BF812961, AL134830, AI559296, BE967104, AI890833, AI926790, BF856052, AI269205, AI584140, BF342070, AI687362, AI619502, AI815855, BG026428, AW026882, AI254731,

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HSWBI16	2249	840965	1 - 1108	15 - 1122	BF792558, BG111753, AI755245, AA699512, BF435190, AA902758, AW316898, AU156710, AI042261, BF061451, AI352125, AI091510, AA235116, AA235224, AW021719, AU157629, H05044, AI188771, BG105489, H04649, R69195, AI526053, R19300, R11581, R69083, Z38851, F05010, BG026880, BF987973, AA533553, AK002107, AL359965, and AL359965.
HSXAI44	2250	590743	1 - 1027	15 - 1041	BF215972, AU142894, BE548912, AW270258, AW880698, AI524360, AW270385, AI696854, AA643784, AI635245, AV761433, AA308716, AA044026, AA229935, AW302081, AA464739, AA659832, AA886753, AA515905, AA225406, AW272294, BG120723, AA502818, AW238016, AI802804, BF857849, AI609972, AV764383, BF902798, AI587467, BG249747, BG014630, BE621316, AV758777, AI271681, AW303142, BF673854,

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HSXAJ07	2251	570825	1 - 886	15 - 900	
HSXAS59	2252	838072	1 - 1522	15 - 1536	AA001227, AA001639, AA655015, T87055, T78613, T83593, T83686, T79094, T86995, T83602, AV762741, AA584195, BG180976, AV761188, AV761608, AA654314, AC005209, AC021876, AL136526, AC008738, AP001759, AL136137, U91326, AC007314, AC004815, AC006965, AL035458, AF088219, AC004796, AC008688, AL034420, AL391358, AC004019, AL109984, AC005399, AC005000, AC025436, AL034372, AC004894, AL109743, AC011495, AL117258, AL158828, AC005754, AC019171, AC011475, AL139352, AC004675, AL031432, AC000052, AC007277, AC010206, AL121653, T86047, AC012522, and AC012522.
HSXAX20	2253	562783	1 - 1374	15 - 1388	BF343629, AI769900, AI950020, AA938297, AI765030, AI359370, BE967274, BE967449, AA131343, AI418667, BF447516, F10649, R39187, BF924161, AC002086, AK000723, AC002086, and AC002086.
HSXAY60	2254	737753	1 - 1755	15 - 1769	AI693546, AA418488, AA828182, AA418618, AI498171, AI291075, AI278302, AI371821, AI278298, AI123544, AA121771, AI275072, AA040414, W76589, AA688284, AW609077, AA181683, AI721124, AI088621, AI269299, AI589814, AI347364, AW020811, AI754641, AW020537, AA405588, AI223967, R98183, AI279558, AI368676, AI243152, W72595, AA121770, R98184, AW089522, H49290, AA405587, AA809892, H49291, AI864589, AA923494, AI383594, AW798374, AA040333, AA029595, AA029594, AA721254, AA770629, AI289992, AI343078, AV742984, AW379773, AW303096, AW268291, AI174766, AU145188, BF857555, C18993, AA299189, BF325535, AW162288, AA283730, AA831638, BE393367, AA771760, AA524616, BF724558, AV762242, AC003037, AF157065, AC016752, AC007742, AC024183, AC007965, AC010682, AC073893, AC003002, AL109614, AL499628, AC006064, AC009004, Z69890, AL136418, AC005544, AC004099, AC005080, AC011811, AC007637, AL121749,

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HSXBB78	2255	600373	1 - 1488	15 - 1502	AA583431, AA578683, AA461052, AI267622, AA714502, AV701180, BE874048, AV703012, BE878608, BE881697, AV758680, BE878823, BE873928, BE877266,

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HSXCA83	2256	830046	1 - 2185	15 - 2199	BF979868, AU139403, AI908467, BE889829, AA534879, AI123433, BE566224, AI692197, BE542928, AA767381, BF208045, BF436983, AW511053, AW969335, AI913281, AW955434, AI522156, AI670900, AV724704, BF000574, BE501680, BF105238, AW275367, AI459401, N20936, AI623733, AI627242, AI371861, AU157976, N24391, AU149797, AA831674, AA835896, AI356961, AA417729, AI453036, N27804, AI078123, AI376171, AA480585, BE465586, AI674322, BF670952, AW753110, AU157539, BE087582, AI817344, AI867897, H99142, BF063321, AA825911, AA604689, AA504353, AI829860, AI638163, R16151, AI093185, AA602146, AW753090, AW753089, AI025691, BF438954, AA173422, BF678657, H23392, AW183115, AI866985, N94845, AA782422, AA173512, N63526, AA393750, AA970899, N42975, AW753088, AI202443, AI623734, H23281, W72180, AA779566, R15410, AA769362, R19830, R76511, AW235242, BF794425, R44725, R45927, R76512, AA279923, BG164095, AA361478, AA626869, AL040001, AI468946,

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HSXCX20	2257	658728	1 - 1371	15 - 1385	AW612141, BF196066, BE221739, AI247270, AR035943, AC016455, AC016455, AC068647, and AC068647.
HSXFG21	2258	805972	1 - 3773	15 - 3787	BF529459, BF971371, AW028055, BE891705, BF513244, BE550260, AA523374, BF197174, AI088917, BG034673, BF594052, AA813335, AV724801, AA642518, BF115056, AI913534, AI375627, AI094974, AI762426, AI160294, AI363057, AI810920, AI366006, BF432542, AI083935, BE207458, AW393842, N94766, AI140880, AA406231, BE046402, BE729435, AI275865, H24186, BF347541, T08763, BF931031, AA406503, AA927450, H24076, AI245861, AI695717, BF477793, AI242829, BG003769, H65910, AI866251, AA346905, H50481, AW874172, BE836503, AA350204, BE839142, T33294, AI381945, AW273797, H49959, AA884156, AV724791, H13383, AL039871, BE389433, R86162, AI880142, BE552343, T33927, AA348768, AI252798, H06047, H45889, BF904873, AW900021, N46542, AW513907, T29961, Z40552, M78862, Z44724, AW086129, BF476661, AI572246, AW886906, BE302594, BF946279, BF904866, AA683028, BE828388, C06015, BE383989, AB002379, and AL357412.
HSXFH82	2259	699863	1 - 1691	15 - 1705	BG248599, BE897258, AI123796, AW500104, AV724019, AA618074, AW009391, AW593352, AI352471, AA534567, AW961117, AI991617, AI096349, AI342361, AA807952, AI003985, AA530902, AI124686, AW264300, AA583326, AW960617, AA622481, AI202148, AA427631, AA621795, AW291558, AA531093, H22435, AI632197, AA531084, H23805, AW245268, AA369653, BE266847, BE465767, R54489, AI928578, AW073751, AA904978, H49131, R52619, AI364283, AI380054, AA350726, AW168377, H52798, H52757, H21375, AA335850, AA922767, AA188272, BE619782, R60745, AA454654, R51215, AA181193, H18216, AA327244, AA583774, H49062, BE170266, M61998, AW247606, BF841425, AA293090, AA160926, AA339541, R88551, AA434277, AA708180, AW083021, H21417, AA160020, AW176575, BE393012, Z44719, BF803536, BE782626, BG167830, BG252929, BF968453, BG261260, BF796402, BF968622, BG113712, BG165710, BG163646, BG180295, BG260757, AL039390, BF795712, BG179586, BG111590, BG036465, BG169376, BG251851, BG165260, BG104735, BG108452, BG035330, BG029194, BF797998, BG249858, BF527274, BG181100, BG166490, BF797072, BG111100, BG171463, BF797137, BG180200, BF338002, AL046681, BG029667,

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HSYBD33	2260	612867	1 - 1053	15 - 1067	BF733045, and AA910784.
HSYBR79	2261	873848	1 - 2256	15 - 2270	AL517798, AL517799, BF570287, BE299493, BF569974, AU131215, BE727823, AL530440, BF968828, BE799682, BG248344, AW853457, AA628421, BG180249, BG031468, BG105086, BG163781, BE746310, BE615028, BG027586, BF316001, BE272233, BF308642, BE746960, BE273209, BE745091, AV709809, AW853517, BE272932, BE898741, BE560719, AW887486, AU132164, BF940731, BG169687, AW276260, BE395080, AI911739, BE408099, AW368496, BF203678, BE273466, BG107199, BF025964, BE313812, BE260173, BE395532, AU151561, AI351087, AI457553, AI417841, AA630397, BE383469, AI401556, AI623387, AA406330, BE696019, BG180322, AI688806, BE696025, BG030312, BE269243, AU152997, BE296345, BE560590, AA528205, AA843126, AW853619, AI095728, AA639768, BE927047, AI523824, AU127699, AI288598, AW853609, AW007212, AU153750, AL120403, W00914, AI141358, AW368537, AI950043, BE927043,

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HSYBV44	2262	753253	1 - 764	15 - 778	AI065079, BE874992, BE892671, BE876857, BE876856, AI133004, AI207423, AI133420, BE877148, BE880710, BE880627, BE879950, AI064695, AL048429, BE874187, BE868375, BE875274, BE879401, BE869411, BE881605, BE875450, BE870841, BE875687, AI133218, AV757464, BE878850, AI174665, BE898244, AV762110, AV723905, BE878962, BE871100, BE898249, BE874519, AV761230, BE874595, AV760277, BE876772, BE877713, BE874175, AI064831, BE880447, BE877908, BE878096, BE881402, BE878111, BE880906, BE879567, BE874381, BE877612, BE874343, BE877015, AV701547, BE881500, BE878144, AV763573, AI174946, BE880592, AI133259, BE872183, BE881087, BE881254, BE875048, AV705342, BE876156, BE880672, BE881405, BE879594, AV724826, BE873212, AL037870, BE875830, BE873311, BE877550, BE874369, BE873910, BE875672, AV759596, BE879920, BE876526, BE881644, BE878540, BE881017, AA630934, BE618041, BE883729, AV654563, AV761262, AV725077, BE880379, BE910322, BE878827, AV711083, AV705900, AI061660, BE880231, BE879482, BE877724, BE878393, BE878189, BE878843, BE873745, AV713679, BE868704, BE877092, BE898492, BE879855, AV725312, BE876191, AV764579, AL037849, BE867519,

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HSYBZ94	2263	799543	1 - 3254	15 - 3268	BE614726, AU125155, BF971630, BG166237, BE882876, AA811417, AV753398, BE537851, BE390755, BE397241, AI561016, BE782420, BF686244, BE018811, AU129732, AI378130, BE311677, AI805246, BE263582, AA706211, BE161542, AA857319, AU151810, BF798489, AU148876, AI076907, AL135511, AA708805, AW575193, AA593932, AW499596, BE267076, N40945, AW402229, AW500937, BE546338, BF684350, AA995429, AW512996, AL121191, AW084772, AI766694, AA465501, BE302373, AA767099, H05185, AW444750, AA360546, AA767056, BF948478, AI867756, BE315066, BF876894, Z44552, AA888103, AW078515, N46804,

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HT3AB13	2264	841680	1 - 3336	15 - 3350	AI207522, AV648391, AV732862, BG170789, AI810756, BG231659, AI479283, AI912799, AI040778, AA043501, BF434411, AW021571, AA722870, AV709777, AW021117, AW966983, BF337204, BE220969, BE674528, AA894691, AI765063, AI369368, BE670464, AA988017, BF223738, AV724002, AW026075, AI700680, BF111053, AW470265, H98944, BE672602, AI698014,

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HT4SB02	2265	837688	1 - 3040	15 - 3054	AI026686, AU132879, AU137887, AI131350, AI760526, AU120084, BE293454, AU139973, AU137234, BE748823, BG110391, BE879425, AA974895, BE620401, BF793301, BE788874,

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HT4SB37	2266	600404	1 - 1015	15 - 1029	AW293012, BF196835, AI094883, AI939307, AI422289, AW972841, N21321, BF432468, BE873208, AI671434, AI818197, AA100645, AA516071, AI290363, BF960800, and AP001331.
HT4SB81	2267	756723	1 - 2305	15 - 2319	AW574856, BF844053, BF843128, AI452532, AW408421, AI743684, BE887187, AI819839, AI634923, AI742920, AW365096, AW168329, AI089449, BG236061, AI131382, AI811123, BF111757, BF724119, AI222755, AW206199, AV660818, AI638224, AA310461, W74312, AI653884, AI221512, BE242066, AA759291, W79246, AI796876, AW058015, BF747525, AW172401, R71992, W90716, AI347421, AI306591, BE696644, AW576493, AI357323, AW583765, AA890661, N94173, W87904, R71993, T66975, AW407434, AI250834, T66974, AA745803, H25285, W90715, AI806532, AW607120, AA429250, BF589387, T73129, AU155521, AW580512, AW580484, BF905688, AI932936, AA424782, AA522766, W87803, N63815, AI088944, AA040306, AA833785, BF590986, H67298, BE245829, BF828878, AA040327, AI523833, AW963540, AI269803, AA889930, AA737522, AI309743, AI470452, AA912902, AI215083, AW751938, AI680495, AA026934, AW500452, BF829776, BG153104, AC016683, U63127, AK023421, AC016683, AC016683, and AC016683.
HT4SB81	2268	844512	1 - 2317	15 - 2331	AW574856, BF844053, AW408421, BF843128, BE887187, AI452532, AI743684, AI819839, AI634923, AW168329, AI742920, AW365096, AI089449, BG236061, AI131382, AI811123, BF724119, BF111757, AW206199, AI222755, AV660818, AI638224, AA310461, W74312, AI653884, AI221512, BE242066,

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HT4SB81	2269	858154	1 - 2317	15 - 2331	AW574856, AW408421, BF844053, BF843128, BE887187, AI452532, AI743684, AI819839, AI634923, AW168329, AI742920, AW365096, AI089449, BG236061, AI131382, AI811123, BF111757, BF724119, AW206199, AI222755, AV660818, AI638224, AA310461, W74312, AI653884, AI221512, BE242066, W79246, AA759291, AI796876, AW058015, BF747525, BE696644, R71992, AW172401, W90716, AW583765, AI347421, AI306591, AW576493, W87904, AI357323, AA890661, N94173, R71993, T66975, AW407434, T66974, AA745803, H25285, W90715, AI806532, AI250834, AU155521, AW607120, AA429250, BF905688, BF589387, AW580512, T73129, AW580484, AA522766, AI932936, AA424782, BF828878, W87803, N63815, AI088944, BE245829, AA040306, AA833785, BF590986, H67298, AA040327, AI523833, AW963540, AI269803, AA889930, AA737522, AI309743, AI470452, AA912902, AI215083, AW751938, AI680495, AA026934, AW500452, BF829776, BG153104, AC016683, U63127, AK023421, AC016683, AC016683, and AC016683.
HT5FX76	2270	637118	1 - 629	15 - 643	AL523838, AL520812, AW170628, AL520421, AU149076, AI924788, AU149089, AU149206, AI869957, AI911098, AU148929, AU144457, AW293290, AW339008, AW001463, AW673957, BG056500, AI523979, AW071123, AW612964, AA938315, AI380698, AW192458, AW167428, AI925055, AI751467, AI085907, AI359170, AW778953, BG056713, BE788605, AI826959, AL522505, AI888633, AI469432, AW674688, AA938313, AW305137, AW152667, AI700120, AA971084, BE727863, AA577210, AW007892, BE297230, AI598070, F30136, AW510371, AW298650, AI568214, BG056035, BF513754, AW674821, BE727232, F36882, AI459683, F25111, N30367, AA434230, H25709,

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					AA381080, AI356957, AW958901, BE966323, AW009131, AA912600, AW072124, AL527907, AI244590, AA384184, AA484286, Z40159, AW050739, N76184, F29105, BE255931, BE743116, AA381024, AA582598, AI991932, AA291319, AI870732, AA994909, AA301692, AW264456, AI273333, AI304598, AW134507, AA576644, N47043, AA434318, BF924830, AI380693, AB033008, AL050280, and AK022651.
HTABF81	2271	610040	1 - 1606	15 - 1620	AI825880, AW972066, AL515454, BE045338, AI609280, BE868061, BF343608, BG171087, AA932209, AW970237, AI829037, AA668785, AW377431, AW995461, AA516010, AW663087, BE157423, BE157403, AW390196, BE157404, AI903990, R11777, AI090409, AW857920, AA045300, Z44822, BF377495, AW298027, AW390406, AA263146, AA045406, AA361643, AA101536, AW505484, BF751645, BF374928, BE736973, BE538922, AI903818, BG255756, AW993854, BF966388, BF326601, AA128248, AA919041, AV653382, AC004622, AK025620, AF131831, AF189692, AC004749, L81394, AC009016, AC008497, and AC008497.
HTACX63	2272	602694	1 - 1081	15 - 1095	AW265684, AW275714, AA736485, H07900, AL038434, AW813002, AI285709, AA579437, BF337536, AC005218, AC009244, AL390738, AL162390, AL158832, AC083870, AC007316, AL137162, AL121825, AP001711, AL031575, AC007052, AL139331, AC002365, AC008403, AL121893, AJ400877, AL356244, AC004703, AL049762, AC018507, AL158824, AC020629, AL137787, AC008816, AP000272, AL118520, AC005017, AC017093, AL109613, AC007199, AP000104, AC005684, AL160175, AC006597, AL021155, AC005829, AL050312, AC004216, AC022013, AL354864, AL121749, AC004601, AP001714, AL109758, AC005225, AL034429, AP001670, AC008078, AC008482, AC007425, AC006330, AC016716, AC002429, AC009298, AJ003147, AL353748, Z84488, AL159977, AC007282, Z99495, AC004859, AC083866, AC009331, AL031774, AL031595, AC007314, AC004662, AC005218, AC005218, and AC008695.
HTADC63	2273	842131	1 - 2444	15 - 2458	BE899132, BE741474, BF974503, BE745971, BE512798, BE271604, BF793368, AL524716, AL524717, BE740840, BE747082, BE545246, BF204868, BF238214, BE740264, BE872021, BE676712, BF663868, BF034885, BF815297, BF129041, BF732782, BE271970, BF663799, BE272572, AA683481, AW965883, AW574880, AI692400, BE336644, BF128962, AI290663, AA632158, BE220608, BE562118,

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HTADO61	2274	695760	1 - 1113	15 - 1127	<p>BG109419, BG249645, AW953815, AA053874, AI090768, BF757645, AA059468, AA015713, AW304193, AA019297, AI190357, AI983584, AA740696, AU156779, AI272120, AI139772, AA018807, BF001541, AI249888, AI150438, BE645310, AI683034, AI123855, AI908119, AI693704, AA027760, BF182631, AI090695, AI335948, AW025442, AI360074, AI066653, AI343725, AI127348, AW269623, AI086509, R02578, AA907666, AA018244, AA953242, AW593564, AI244884, AU154998, AI991342, AW071801, R42510, AI826680, AI539534, AA759222, AA813399, AA432250, R85668, BE855648, AA533601, AA508864, AA046210, R49698, AI918925, H86744, H86661, AA513341, AA826646, BF795253, H83556, AU157225, AI659050, R44365, AA127097, BG255238, AA961261, AA259124, AW449000, AW748143, AW062268, AI659756, W19768, AA125912, BE875125, AW137890, BE794846, H57364, H83448, AW024080,</p>

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HTADQ22	2275	561960	1 - 364	15 - 378	AC069304, and AC069304.
HTAEC59	2276	846728	1 - 2042	15 - 2056	AL518387, AL537251, AL518388, AL537962, AU120045, AU143467, BE618325, BE888390, BF979947, BG163829, BE738544, BE778393, BG253946, BG251730, BG121731, BG117207, BG028796, BG112174, BG168484, BG119089, BG114838, BG255528, BG165894, BE738186, AU139868, BG027096, BG255428, BE872869, BE781754, BG031333, AW953669, BG252084, AW953026, BF982894, AI130898, BG027710, BE613898, BE747020, BE545361, AL534425, BE779967, AV716061, AW964002, AI951371, BG179682, BE892360, BE785813, BF978304, BF131427, BE645727, BE544150, BG168222, AA195066, AU139652, AU131013, BF677639, BE538930, BF982773, BF339872, BE963357, BF978651, AA855044, AV762782, AV714132, AU134803, BG058695, BG024620, AU137729, AI057567, BE465130, AI831458, AV713959, BF574376, BF679802, BF448062, BF432055, BF978620, BE888541, BG110864, AW005683, AW264226, BE501434, BG033652, BF218461, BF382801, AI889335, BE548349, BE620725, AW071004, BF698233, BE904314, BE563990, BE466287, AU135489, AA194976, BG259870, BF215202, AA165477, BE958074, AI669391, BF217663, BF791208, AI683548, BG165925, AW960018, BE738023, AI378591, BF242041, BE620380, BG112335, AL038003, BE884430, AU139604, BG115991, AA164611, AI333593, BF219338, BE968659, BE873048, BF037258, BF115974, AA988124, BF959280, BF696047, BF960009, BE545640, BE777608, AI804442, AW955436, BE868126, W72647, BF960904, AU118179, AW020027, AW511511, AA159801, BE835263, BF333352, BE865885, AI923427, N57276, BG104691, AA423939, BE866615, AI375445, AI093454, AV700090, AA165596, AV758368, BF382976, W65385,

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HTAED89	2277	801931	1 - 2352	15 - 2366	AW383251, AW974765, BE219710, AA868078, AA613031, AW383254, AW383221, AW383199, AC006116, AK022596, AL035461, AF016183, AL136168, AC010289, AC018719, AC011479, AC083871, AL096701, AC004131, AF053356, AC007371, AL161725, and AC008551.
HTAEF02	2278	847134	1 - 2747	15 - 2761	AL117342, and AL117342.
HTAEH58	2279	824756	1 - 1587	15 - 1601	AI650654, AC018644, AC010412, AL450169, Z98036, AJ009611, Z49154, AF243527, AP001710, AF003626, AC006452, AC005516, AC004966, AC004865, AC027253, AC027253, AC027253, AC018644, AC018644, and AC018644.
HTAEO35	2280	732379	1 - 1500	15 - 1514	H57751, H57752, AA548382, BF812696, AW157128, AI890297, AW338376, AA171400, AI038029, AA618531, AI732690, AA554289, AW410844, AW192518, AW265468, AI270280, AW162762, AI114755, AI335387, N99245, AA218684, N26159, AW962942, AI061313, BE882869, AW505253, AA807704, AW963552, AL523272, AW974363, AI732710, AA084320, AI732677, H24331, BE676900, AW516250, AW473160, AA557945, AL121039, AI702049, AV712092, AA610491, AI732720, AA533660, AW075979, AI039257, AW148821, AA642809, AI926728, AW129188, AI000314, BF804385, R99034, AW151541, AW969941, AW970856, H05066, BE747923, BF882222, AI066646, AI251024, AI284640, AC002990, AL135924, AC087089, AC005036, AC020655, AC007242, AL133244, AL078584, AC022392, AL160234, AC008887, AC011440, AC035149, AC004965, AC020977, AC002407, AC008490, AL356801, Z92542, AC017092,

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HTDAF68	2281	637685	1 - 1065	15 - 1079	BF346320, AW779609, AW968341,

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HTDAI38	2282	878930	1 - 2800	15 - 2814	AL530952, AW607752, BF795959, AL530951, BE548970, BE798382, BE869332, BE397108, AI309784, BE268788, AW814061, BE538365, BF696114, AA581862, BF130791, N23776, BE613845, BE207714, BE783978, BE893808, AW408133, BE561886, AA134507, BE147231, BF725115, BF975220, AW674022, AA934085, AI085141, BE536745, AI373862, BG027200, BE872307, BE930978, BF688904, AA056681, AA190868, AA576904, BE047707, AW405729, AW083442, AA130537, AI923654, BE062611, BF688679, AI124761, AA833777, N54318, AW157739, BE930889, BE614452, AA693823, BF438368, AI291716, AA287477, AA825509, AA453764, N51244, AI127887, AW402486, AA405643, AA935044, AI034258, BF435006, AI612718, R73508, N57731, AA453848, AA947919, BE279636, AI863465, R73507, AI357319, N70151, AA594389, D20031, R85271, BE396901, AI348539, AI752568, AA282812, H80451, AA056577, AI299844, AA447114, AI435405, BG111836, BF089893, AA769652, AW674804, AI245333, T59938, AW895036, AA405491, AA430461, AW964756, AA767858, AA004632, AW872944, AI739514, AI027146, BE244574, T51512, AI039014, AW752261, AI457631, AA861831, BF340871, H90800, BE270002, AW874574, R86106, N59698, BE622223, BF759810, AI282985, AW630158, BE541094, AI189265, R55556, AA374108, AI208531, AA004233, AW614997, AA748116, AA304729, AA341200, BE269232, AA287378, AI619932, AA768035, AI301014, AA190961, T51659, AW407781, T60008, AI091804, AW054870, N98347, AW848635, AW848150, AW848688, AW848076, AI863667, BF055169, AA282689, BE244757, AA339986, BE244787, N93782, AA600299, AA347086, R48029, AW952053, AA888767, BE903791, BF839912, R47921, AA356401, AI635385, AI752569, AA714693,

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HTEAJ87	2283	866486	1 - 2186	15 - 2200	<p>AW070746, AI306467, AW838226, AA234378, AA243023, N50178, Z44963, AI207079, AW838210, H22807, AA911471, F06760, AW838416, AA709271, C16025, AA382726, AA971885, H39984, AW059678, AW838153, AW901324, BE966443, BF814453, AL514623, AI690813, BF530637, AI922278, AI612107, AW081383, AI249946, AI538850, BG030601, AI636588, AI261589, AI934011, AI783569, AI635016, AI267379, AI345477, BE138624, AW268122, AA641818, AI613038, AI640370, BE966550, AI890907, AI633125, AI813321, AI701097, BF752997, AI473536, AI659795, AI863382, AI802542, AI590043, AI638644, BE963909, AW008226, AI884318, AI349640, AI583578, AW303179, AI336581, AI345688, H41759, AW082532, AI472680, BF811804, BE961406, AI335207, AI344789, AW834282, AI250070, AI583670, AI554821, AL514449, AA019328, BE892325, AI336631, AW301513, AI580027, BE966496, AW072719, BE963355, BG122005, AW166870, AI954721, AW007597, AL046466, AW268221, AW268302, AW301459, BF724894, AI318159, AI251963, AI571439, AW301500, BG167403, AI698391, AW196720, AW302954, BE047833, AI559752, AW269083, AI421662, BG114304, AI678446, AI336582, BE962898, BE875442, AW983832, AI885982, N25033, BE393784, AV747571, AI345587, AI824746, AW301505, AW024921, AI479292, AI538564,</p>

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HTEAN76	2284	830399	1 - 952	15 - 966	BF968577, AV752109, AW968702, AV719534, BE798860, W95754, AA629955, AW958961, AW152094, AW440429, AI249008, W95797, AW958643, AA530982, AI952281, AA587944, N56984, AW512036, AI143890, AI815614, AA480147, AA158769, AA973487, AA001629, H18106, N47368, AA962282, AW972120, AA001628, H27837, AA159571, N53401, AA907379, AW511581, AW511590, AW511582, H18148, AA382884, AA485201, T96879, AW129242, AA677796, AA385921, T36056, AW368300, AW958644, T96878, AA384878, AA485088, AW273673, T25513, D45668, BF376682, AF197137, and AF197136.
HTEBL56	2285	581100	1 - 1498	15 - 1512	BF977181, AI692292, N36270, AW340112, AI074171, W95520, AW205396, BE380104, BE219862, AW966422, N31344, N21389, H99200, BF223577, AI963775, N24483, N24816, N27577, AA928229, AI351815, AW087502, AA628368, AI612838, AI471205, AA411244, AA236269, AW628038, AA383799, AA411169, AI684000, H99809, BE379672, AI093681, AI879064, AI147292, AI343379, BF528433, AV709390, AI380190, BE084795, BF918149, AV726058, AI446139, AL046200, BF750907, N22341, AA830333, AA811757, AI241678, AV757372, BF968017, BF793246, AV711528, Y09980, AC009336, U56401, D11117, AL137465, AK024944, AF061943, I08319, AF111845, I03321, AL137550, AJ299431, AF262032, AF116698, AK025113, AF102578, AK026593, Y18678, AJ238617, AF044221, AF090900, AF130055, AF132205, U58996, AC009336, AC009336, AC016739, and AC016739.
HTECE87	2286	702025	1 - 932	15 - 946	BF346821, AW957993, AA280769, AA378985, AI016927, AI963454, AL133676,

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HTEDF78	2287	564215	1 - 1556	15 - 1570	BF915002, AA502991, AA480792, AA659360, AW275498, AV743392, AA728812, AA829490, F12561, AW301385, AL135357, AW995323, AA303007, AV730854, AW975378, AA828062, H79719, AI733856, F08248, BF871137, AA579205, AA088727, AW089101, BF915107, AW849711, AV703573, BE167511, AW023149, AW969667, AW901478, AW968341, AV764362, AW979253, BG026259, AA654661, AC004853, Z94056, AC007907, AC005519, AJ246003, AL008710, AL022144, AC009179, AL138716, AC006388, AC010609, AL132639, AL121658, AC004687, Z82198, AC005324, AK022206, AC004975, AL139184, AL359434, AC002072, AL022099, AF270552, AC000391, AC002323, AP000350, AC005701, Y11484, Z68323, AL354835, AL157791, AC000087, AL121751, AC007954, AC004805, U20391, AL355385, AK024143, AC018801, AL136992, AP001684, AL021398, AC002448, AC007597, AL160414, AP000349, AC005803, AC005379, AC005522, AL356299, AC002429, AL161781, AL121890, AC005788, AC008887, AC011440, AL353748, AL031311, AK026449, Z99758, X90590, Z97180, AC004865, AC007033, AC008119, AC004913, AL136179, AL109802, S41458, AC005512, AL049776, AL118512, AL450482, AD000812, AC004821, AC035149, AC005682, AC005353, AL353092, AL121981, AC009178, AP000223, AC007249, AL031033, AC005696, AL022329, AL035705, AC011527, AL499628, U91321, AC002483, AL139095, AC006344, AC006064, AC004851, AC011513, L78833, AC005193, AC007565, AL008708, U96629, AL023803, AC006509, AP000322, AL157384, AC002316, AL021154, AL355392, AL021393, AC010627, AL008583, AC021016, AC002400, AC005211, M13792, AL023281, AL121757, AL079340, AP000086, AC007590, U79746, AC007956, AL136164, AC005476, AF090940, AL033517, AC005777, AL035423, AF258546, AL031283, AC005500, AC007277,

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HTEDT87	2288	779267	1 - 2404	15 - 2418	AW025332, BE387500, BE272406, BE170710, BE272472, BF327058, BE386928, AW953402, AI344208, AA829945, AI128091, AA558424, AW172323, AW665097, AI332592, AW073744, AI379522, AI140440, AI271642, AA724234, AI570618, AI799429, AI343766, BG028910, AW305376, W46979, AI344640, AA203663, W47080, W22559, AW148745, AI370859, AA838157, AA449343, AA746222, AI753770, H16882, W00616, BE868614, AI688886, AW631117, AI284278, BE180450, AA988314, AA449602, AI335749, AA768148, AI313415, N40824, AA564697, AA844390, BF036414, AA829787, AA960941, BE315439, AA552138, AA574224, AI056257, R96563, BE302419, AA351620, T75035, AA760625, AI038229, AA027114, F12705, D11952, AW850952, H16773, AW810600, AW072929, AI357357, AA355276, AA741538, AI197799, Z17889, BE707416, AI432022, R43650, R46733, R21138, AW183367, F10313, R96518, BF374593, AI205866, AW809916, AW387951, AW609111, BG058270, BE842266, BG027280, AA190209, AA585183, BF352428, BF746984, AA585377, AK025775, AL121673, AL121673, AL121673, and AL121673.
HTEDX05	2289	862064	1 - 2206	15 - 2220	AI828638, AW269917, AW877199, BE500954, AI220424, AI655990, AA279223, AW504756, AI827790, AW003980, BF855180, AA844642, AI242202, AW504751, AI367541, AW104403, AI797647, BE763464, AW935618, BG255473, AA460018, AI885804, BE709624, W86937, AW938353, AI025345, AI216381, BE709977, AI274728, BF970652, AW087954, AI554821, AI247193, AA568405, AV746791, BF814450, BF725644, AW051059, AI859983, AI698391, BF699580, AW673679, AI241901, AW827289, BG166654, AI625316, AL513723, AI289791, AL120819, AV712672, AI567582, AI335363, AI932794, N71180, AL513907, AI801523, BG180996, BF812960, AV710950, AI312428,

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HTEEC19	2290	862065	1 - 1707	15 - 1721	AU125253, AL528092, AI768256, AI761569, BG251210, AL528091, BE874452, BF796516,

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HTEGH03	2291	815562	1 - 2253	15 - 2267	AL048161, AV756562, AA909018, BG120125, AL048162, BG117599, BG253610, AW994262, BF345118, BG163969, AW994017, BF446136, AV722179, AW581919, AW051405, AW149388, AI694338, AW994275, BF514688, AA031345, AU150840, AA075396, AI826424, AW270039, AI095661, BF512646, BE568445, AI041843, BE813590, BE813550, AA806975, N27847, BE042640, AI185175, AI080009, AI828245, AA582900, W56252, AI243105, AW273745, AI806874, BE813601, BF109980, AI424016, AI276043, AI621114, AI081288, BE835171, AA426489, AA102852, BF345179, AA075446, BF814162, AW662010, AI740871, AI937560, AI693820, BG112799, AW953094, BE958244, AA564827, AW967023, AI620742, BE463563, AI922672, N26138, AI571483, AI984159, AA878083, BE677125,

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HTEGH03	2292	839477	1 - 2144	15 - 2158	<p>AL048161, BG120125, AV756562, BG117599, AL048162, AW994262, AA909018, BG253610, AW994017, BG163969, BF345118, AW581919, AV722179, BF446136, AW051405, AW994275, BF514688, AW149388, AI694338, AA031345, AA075396, BF512646, AI041843, AI826424, BE568445, AW270039, AI095661, AU150840, N27847, BE813590, AI740871, BE813550, AI080009, AW273745, W56252, AI828245, AI243105, AI081288, AI424016, AA582900, BE813601, BF109980, AA075446, AA102852, AA426489, BE835171, AW953094, AA806975, AW662010, BE958244, BE042640, AI693820, AI185175, AI571483, BE463563, AI620742, N26138, BF345179, AI922672, AI806874, AI276043, AI621114, AA430130, AW604600, AI984159, AI937560, AA132449, BE677125, AI473775, AI266708, AW967023, BE162523, AA552115, AA564827, BF814162, AA102851, N26846, AA709389, AA058717, AA056448, AA878083, R81559, AI623865, BF570628, BF095777, AA057272,</p>

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HTEGS48	2293	561492	1 - 749	15 - 763	AI126228, AP000855, and AP001675.
HTEGY81	2294	637689	1 - 1120	15 - 1134	BE938705, BE812334, BF215711, AI609753, AA416803, W86630, BF223648, AW771419, BF028196, H38119, BE834335, N53903, BG171114, AA015603, AA629680, AW135279, BE857550, AW952522, AW085622, AI627872, AA333446, AA903705, BE548488, and AI272986.
HTEHB11	2295	824739	1 - 949	15 - 963	AA885159, AC025674, and AC025674.
HTEHB49	2296	823145	1 - 1862	15 - 1876	AI688500, BF439355, AW964997, AW469267, AI932298, AA774250, AI803950, AI810009, BE501432, BE350295, BE501424, AA676898, AW298009, AI697400, AI250894, AA495804, AA884043, AA909362, AA495741, N92666, AA970235, AA773792, AW955939, H63421, H63478, T84433, N99612, T88799, T85280, T89995, AA336789, T85490, T82815, AA342383, AI913686, AW418722, BE501439, and BF885211.
HTEHS91	2297	862067	1 - 2188	15 - 2202	BF794285, BG252095, AW965312, AW977747, AA443175, AI126305, BF195835, AL044740, AI338421, AA679079, AI913238, AI333023, BE244122, BE246211, AA972520, AA838427, AW605328, BE907520, AI307325, AW630931, BF222431, AA463484, AI805628, AA828370, AW078809, BF923727, AW006036, AA587907, AA922459, Z45320,

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HTEHV60	2298	637690	1 - 1302	15 - 1316	AI240184, AA931321, and AA907587.
HTEHW80	2299	862068	1 - 1153	15 - 1167	AU120416, BE897079, AL135377, AI733856, AA410788, AI679782, AW269504, AU147162, AW969743, AV759632, AA483606, AI952574, AW973992, BF805088, AA812058, AW271977, AW328000, AA570740, AI339845, AW328331, BE676019, BE062478, AI755214, AI754567, AW500684, AI080618, AA228778, AI636627, AA568204, AW576251, AI499954, N93272, AA644090, AI754105, AV757289, AA535216, AI612142, AL038842, BF854308, BE138484, BF816093, AA847499, AI358089, BE063437, AA704393, BF821897, AW265688, BG250286, AW969941, AI251576, AW468009, AI610941, AW338021, AI284045, AI583252, AV719392, BF725884, AA501782, AI306232, AA579179, BF857849, AW338035, AW805539, AA904275, AV760915, AW300749, AV760508, AW969629, AA877992, AA513551, AA584765, AA584538, AV730986, F00564, AI583466, AW806990, BE501593, AI114557, AL079734, AW274191, AL048275, AI141130, AI061313, BF804385, AL042373, AW505253, R44593, AV764259, AI056177, AA307598, BF821009, AA558404, AW979191, AA503298, AV703785, AA719073, AA502991, AA601278, AI801563, N23504, AA584489, AA443390, AI249688, AI050076, AA569667, N72170, BE143025, AI380617, AV701116, AU147529, AA635433, AV762633, AW069227, AW469214, R95840, AW575605, AA809546, AI587583, AI280266, T74524, AW237905, BF991881, AW504168, AU119532, AW338506, AA524616, BF681619, AI587565, AW327624, AV695478, AC002091, AC000353, AC007676, AL022718, AC010748, AL049836, AC006061, AC009079, AL049868, AP000065, AL121652, AL096712, AP001698, AL035422, AC008664, AL121914, AL117258, AL035420, AC002395, AL050349, AP001667, AC011235, AL034548, AC007541, AC000026, AL034412, Z95114, AL137162, AC011497, AC004019, AF205588, AC010150, AC006013, AP001760, AC001231, AL034372, AL162430, AP001694, AL022726, AC005052, AC012384, AC007014, AC005041,

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HTEID25	2300	737852	1 - 1422	15 - 1436	AV745184, AW273929, AI382780, AW629158, AW072227, AA994512, N27455, AW665817, AA418538, AL042432, AL041573, BF343167, AL035730, AV682592, AL049648, AF101438, S69381, AK026844, I61429, E07108, AL049648, and AL158849.
HTEIJ23	2301	784268	1 - 2579	15 - 2593	BE907741, BF034896, BG028481, BE790657, BF037306, AL042545, AL042546, BF541079, W58353, BE675985, AA907303, AA953652, AW959006, BE300717, BE392318, AI492874, AI022228, AA443785, BE349373, AI050680, AI830393, AI248849, AI963898, AA425226, AW593023, AA972233, AI393329, AI922079, AA486183, AW006562, AI284924, AI348691, AA657402, AA810245, BF109458, R31395, C19029, AA836184, AA369797, AA220967, BE300718, N56692, AA952982, R79257, AA004857, BF222336, N30351, AA814790, AI270654, AA004668, H03146, H03955, D78990, AW953824, AA757308, AW779164, AA369798, AA476841, H02586, BE245931, AA361347, R79158, BE264653, AA147074, BE268104, BE814778, H02675, U48339, T85057, AA811887, T85056, BE268162, AA360687, AI358684, AA383159, AA327901, AA425502, BE552474, AA147107, BE264336, AA906776, AA872664, BF887908, AK000370, and AL389943.
HTEIM62	2302	806472	1 - 659	15 - 673	BE348253, AI037850, AA883788, AI351718, AA450320, AW118960, AW001672, BG025172, AV741606, AA729272, AA729354, AA471225, C21492, BF800701, AW196666, AF161528, AC008521, AL355385, Z81002, AL391867, AC005324, AL138713, AC018673, AL136223, AL031659, Z98036, AC003982, AC006483, AF101874, U01882, AL121653, AC005933, AP000552, AF064863, AL139378, AC026474, AC026474, AC026474, AC026464, AC026464, AC012040, AC012040, and AC012040.
HTEIV33	2303	603393	1 - 1037	15 - 1051	AW269794, L78833, U37574, AC006480, AL139342, Z93017, AL080239, AL133377, AL080277, AL132657, AC010582, AL136180, Z83826, AC011290, AL359704, AC073868, and AC073868.
HTEIV65	2304	570826	1 - 729	15 - 743	AV686346, BF037484, AA427700, AL515375, AI608936, AI804983, AI796743, BF822127, BF526020, BE905856, AW117746, AI288285, AW026882, AL045266, AI932794, BG031815, AI251830, BF968205, AI582932, AI636719, AI591420, AL121286, AI434468, BF970768, AI538716, AV746964, AI537303, AI281772, BE910373, BF792961, AI888944, AI499285, AI174394, AW050522, AV704934, AI648663, AW268220, BG250190, AI281782, AI334450, AW129916, AW071349,

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HTEJC50	2305	637691	1 - 415	15 - 429	AW173010, BE466670, AW269746, AI217106, AI217104, AW269756, AW182519, AA983928, AW104540, AI808907, AL122023, AL132838, AL132838, AL122023, AL122023, AC027105, and AC027105.
HTEJD20	2306	637687	1 - 1457	15 - 1471	BG113717, BG027817, AI041979, BE504096, N25626, AA703946, BE674699, AI871951, AI435879, AW205936, AI871945, AW043594, AI674360, BE963431, AA253309, BF438714, BE618648, BE645131, AI347565, AI367602, AL047564, AI580123, AI078673, AI698047, BE677512, BF055148, AA134112, AA205327, AI222232, AA831557, AI360271, AI745174, AI698675, AI826615, AI554903, AI417677, AI333335, BE503069, AI566183, AI253620, AI361113, AI248726, BE677503, AA115872, AA826600, AA405630, AA234788, W81032, AI301030, AI393132, AW157803, AI826759, AI003585, H69420, AA464958, H46978, AA457543, AI784110, AW293059, BE671074, AI619860, AA962426, C75159, AA302630, W88641, H59289, BE670359, AA829497, AA809727, AA252903, BE927361, BF478016, AA115873, AI278996, H50563, BE158601, BF477490, AW207299, AI680965, AA984914, BE927375, AI768465, BE047295, AI381491, AI870263, AA937976, AW168819, AW167313, AA234721, AA927483, AW513031, AI922412, BF056969, AW172822, BG166439, AW072542, H39553, AI990809, AW189221, N73528, AA234667, AA234092, AI469088, AA725499, AI812106, R08678, AA629539, AV750439, AA130297, W81069, AI565478, AA724408, AA370189, AW602400, AA987462, AW936053, AW754057, H17450, AA465032, AA383206, AI955885, AI700553, AA702262, R51044, R09408, AI743616, AW192809, AW341096, BF433582, BE047176, AI201873, N34224, AW770633, BE045621, AW150155, AI671362, AI539403, BE503132, AI623924, AI800270, AW270194, AA169392, AI624863, AW002809, AI935681, AW130212, AI623851, BF109285, AA788650, AI042034, BF002902, AI564249, AI624047, AI733409, BF724651, AI683793, W84622, AI564173, AW419167, AI926281, AV754007, AW194288, AI453231, BF980290, AI672366, AA426189, AV754606, AI371324, AI247246, AI694531, AI859468, AI783522, AI499139, BE218962, AI625585, AI767147, AA457743, H69323, AI310735, AI570113, D61425, BF529824, AI093680, AI279129, AA827587, AA962745, AA789104, AA029807, BE618387, AW750186, AI935395,

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HTEJD61	2307	828178	1 - 1140	15 - 1154	AI808141, AI872360, and BF028853.
HTEJF31	2308	762831	1 - 381	15 - 395	BF056874, AA719259, BE046977, AA416572, AA416676, AI337070, AI797656, AA402604, AI654971, AA398488, AW449340, AI188119, AA860344, AA725683, AA860397, AI218844, AW241563, H48932, AW827285, AI471429, AW087445, AL041150, AI348914, AL120254, BE878014, AI929108, AI474646, AW021373, AW161098, AL036403, AL036705, BE047833, AL110306, AI254727, AI800370, AI491710, AL037630, AI866465, BG114104, AW078818, AW189332, AL514793, AV681924, AI538764, AI446373, AW162194, AW020397, AI655841, AI494201, BE886686, AI927233, AL046595, AW020048, BE964323, AI537643, BF924884, BG029053, AW059877, AV707062, AW076127, AL036638, BF814447, AI251221, BF871314, AI242248, AL118781, BF969316, AV728833, AI538885, AI634400, AI521799, BE011880, AV729627, BF904265, BG029829, AV718300, AI540458, AI961631, BG032036, AI539771, AV682488, BG029457, BE538997, AI500061, AA760884,

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HTEJ129	2309	824733	1 - 961	15 - 975	BE732222, BE732589, AW411043, AI096771, AV727819, AV703555, BE393551, AW021717, AV682345, AW411235, BE965481, AW265004, AW020710, BF683521, BF814357, AI683492, AA100772, AL046632, AV727822, AW023351, AA853213, BG181012, AI926593, AA259207, AV705693, AV749238, BG029709, BF911554, AW087217, AV728157,

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HTEJL16	2310	603409	1 - 1144	15 - 1158	AI026932, AI381520, AI932394, AI221884, and AC008169.
HTEJP65	2311	596826	1 - 740	15 - 754	BF000047, BF707426, AA758005, AW071523, AA412625, AA992683, AA428661, AI797938, AI798690, W04744, AA382413, N75302, D59805, D80192, D59690, AA412484, D80191, D80340, AA312797, AC009244, and AF086124.
HTEJY20	2312	840706	1 - 2894	15 - 2908	AL041066, AL527107, BG254677, AI422867, BF978926, BF978521, BF691445, BF978593, BF978419, BF691547, BF691832, BF977446, BF691536, BF978874, BF978850, BF978083, BE566091, BF691472, AA524005, BF978565, BF673220, BF978716, BF691857, BF978977, BF665370, BF732480, BF976830, BF977308, BF570682, BF978987, BF978950, BF978838, BF978931, BF691287, BF978938, BE464212, BF978049, BF976834, BF979248, BF979024, BF979235, BF571594, BF691341, BF976961, BF978635, BF979005, BF977373, AI090206, BF977283, AW297812, BF979178, BF977749, BF208114, BF978963, BF977582, BF979031, BF976917, AV719282, BF979010, BF977036, BF691747, BF978698, BF977343, BF572952, BF977341, BF978999, BF977680, BF977099, BF977600, BF978661, BF572765, BF692196, BF977157, BF978292, BF977095, AW352277, BF977741, BF978683, BE866583, AI672079, BF978782, BF979242, BF977719, BF571995, BE958184, BE568061, BF977220, AI804103, BF570963, BF977731, AA938319, BE565122, BE328577, BF978175, BF978114, BF570671, AL041065, BF977608, BF665092, BF977758, AW297645, AA393641, BF977866, C75230, BE186012, AI095794, AW952568, AA435679, AI272755, BF894089, W94167, BF977991, AI418990, H42329, BE092588, BF570692, BF541999, BF978155, BF976899, AI421140, AA044031, BE186006, W63767, AA335501, H22525, AA279380, H25477, AA470655, BF691667, BE092393, AW468904, W94610, H41626, BE092433, AA044353, H88910, AA648392, H88909, AI423341, AA876426, W94648, H22526, AL527176, AV709215, AW891724, AW974449, BF054968, AA279112, BF978723, AI419653, N89112, R58582,

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HTEKD35	2313	604979	1 - 674	15 - 688	
HTEKP82	2314	694648	1 - 916	15 - 930	AI830073, AI332298, BF674731, AA725122, AI623753, H07026, AI139130, AA065113, AI560620, AI041071, N79571, AA719802, AA125829, AA136618, AI003740, W37272, AA846630, AA778599, AA397951, AA136749, AA435770, AW205330, AA021175, W16608, AA064797, N53890, AA125828, AA843666, T94459, AA400783, Z42180, AA400936, AI198934, W33208, N83402, AW946321, and AA393913.
HTEKV69	2315	877673	1 - 1649	15 - 1663	AA393779, AW135265, AI027746, AI654903, AI963884, AI797613, AI740992, AI992090, AI335426, AI348777, BG029058, AA587120, AW827206, AA765198, AI648699, AI471429, AI474699, AL040602, BG153044, BG058273, AI635861, BE011880, AI916720, AW151766, AW075382, AV717173, AI499325, BG105412, AW022000, AI633061, BE877327, AA194303, BE790023, AI371442, AV711817, AV708893, AV709314, AV653353, AV708381, AI499508, BE881272, AV682323, BE877142, AL042515, AI802998, AA099909, AA713781, AW022636, AI636203, BE878175, AV704042, AV704847, AV710972, BE877515, BE876703, AV727029, BE876955, BE889015, BF033719, BE878108, BE880661, BE877708, BE880785, BE875812, AW409775, BE875027, AW827097, BF795965, AI469516, AI287476,

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HTEKZ52	2316	762832	1 - 274	15 - 288	
HTEQG28	2317	840031	1 - 1705	15 - 1719	AC069320.
HTFOB75	2318	900824	1 - 3285	15 - 3299	BE733024, BG109730, AU140104, BE546473, BE889571, BE889587, BE730721, AU138672, BG259764, AI718282, AI709383, BE779177, BG163913, BG031798, BE734224, AV707879, BE408475, AW368622, BE900705, AW272235, AW470101, BF435568, AW471310, BE891068, BE386130, BE901385, BF980199, AW392816, BE894916, BE903247, AW392815, AI628226, AW076072, AW392813, BE734460, BG122367, AW470123, BE540311, BE273197, BE549113, AW080807, BG235985, AW769234, AW499944, AL138202, AI887486, AW629754, AI984572, AW996987, AL353974, BF895267, AI859535, AI523527, AI832002, AW131290, AA777248, AI922765, AI346505, AA922780, AU157701, AA557382, AW069693, AW269811, W72219, AI608617, AW392812, AA527142, BE018323, AU149675, AV745125, AW391835, AI688405, N53751, AI754303, AA984515, AW392811, AI752688, AW952058, AA988930, AA196632, BF882253, AI540975, AI858111, BF881265, W44724, AI300865, AW130787, BF814383, AA569878, AI087219, N40921, BF881427, W77963, BF881428, AA651871, AV711035, AA553499, AW338074, BF083071, BF881961, AI985931, AW168405, AI700311, AA988997, AA621239, AA700296, AW406945, AA729147, AW572680, AA814336, BG012052, AW007940, AI351536, AA653632, AI038164, BF094471, AI123294, AA570128, AL138350, BF881257, BE829522, BF154863, AA514830, W76103, BF198080, BG236222, W72868, AI168835, AU158304, AA847366, BF993072, N73108,

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HTGAA35	2319	737945	1 - 1619	15 - 1633	<p>AU151751, AW963489, AI887797, C14614, AV757180, N63897, AA829565, AI499954, AW972298, AW272389, AA262464, AW819483, BE245594, AW169183, AW979295, AI568702, AI791426, AI732473, AA525112, AI732151, AA182569, BE158554, AW662635, AA720732, AI040051, H60398, AA831714, AI473851, AA100540, AA570632, AI354243, T16427, AA664604, AI302994, AC011484, AC005913, AC007225, AC083870, AL034405, AC010205, AL137067, AL138958, AP001716, AL008712, AL031729, AL121928, U82828, AL136171, AC007240, AL353804, AC069539, AC004876, AL353599, Z97184, AL122020, AC022816, AD000090, AC005519, AL096791, AC004884, AL023883, AP001052, AP001752, AL034379, AL138832, AL117338, AC005048, AC005412, AC005000, AL139349, AP001207, AC005157, AL022163, Z75744, AC009314, AC007365, AC006241, AL157702, AL096814, AC005828, AL157713, AC004835, AC002395, AC005089, AC004794, AC004079, AC004539,</p>

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HTGAD74	2320	834464	1 - 876	15 - 890	AA557924, AL038842, AW292981, AA501906, AV764259, AL135062, AV764334, AW901945, N30291, AA828046, AL041375, AW902110, AA601230, AI306232, AI885572, AI123488, AW274191, AA765925, AI251576, AI745457, AV762982, AI583466, AI040051, AI499954, AV685057, AV758903, AA491864, AW271904, AL037632, AL035072, D86995, AC008474,

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HTGAP05	2321	637715	1 - 1060	15 - 1074	BG033930, AW152112, AW192063, C15343, AI383250, AA833875, AA833896, AI380617, BE169870, AV682003, AW984309, AI085242, AV760019, AI612142, AA704393, AV760453, AA640430, AW969831, AW021083, AW962444, AW270258, AA054176, AI753849, AA640410, AW020150, AI583252, AW069357, AW872676, BE138484, AI275989, AA303007, AV738383, BF346919, AA516164, AW575012, AL042667, AL042670, AW872575, AA828834, AI582666, BE252421, AW410784, AA715173, N77109, AA715075, AI675615, AV647070, AW196288, AA507822, AI590906, AA829056, AA483256, AL390039, AF184110, AC006059, AC006487, AP000962, AL079303, AC004821, AC010000, AP001667, AC011475, Z93015, AL121658, AC009475, AF196779, AP001717, AC010271, AC008521, AC011489, AC005153, AL163204, AC005412, AL138725, AL024507, Z86090, AC008896, Z98950, AL354720, AC008784, AL121949, AC006077, AL080243, AC005255, AC005048, AC004966, AC005317, AP000065, Z84484, AL121952, AC011442, AC006345, AC007383, AC000159, AL391595, AP001714, AL121583, AC026424, AC009501, AC016903, AL136300, AL137141, AP001692, AC004383, AL353701, AC004491, AL132777, AL021391, AC004656, AC007387, AC005057, AC011484, AC005940, AC006468, AL135901, AC004518, AL034417, AP000500, AC007540, AL137881, AC010605, AF061032, AC020750, AL121886, AC011510, AL135749, AJ246003, AL354696, AL137230, AL392173, AC002404, AC007199, AC007899, AC002429, AL096840, AL034372, Z83844, AL137073, AP001727, AC021068, AP000555, AP000045, AC006960, AL122023, AL024498, AC005103, AC005225, AC009155, AF047825, AC008392, U78027, AL138741, AC007051, AC011479, AL022336, AC007687, AC005484, AC068799, AP001746, AC005261, AF011889, AC005899, AP001760, AL031848, AL031005, AC007919, AC002316, AC005375, AC011473, Z84487, AL162615, AL121601, AC005632, Z85986, AC005520, AC008278, AC005696, AC018633, AC004832, AC005324, AC002416, Z99716, AC011811, AL133353, AC016995, AC002565, AL391122, AC005088, AL356800, AC011470, AF243527, AC004388, AC005747, AC004980, AL022240, AC020913, AC008569,

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HTGAQ29	2322	637693	1 - 617	15 - 631	AL031774, AP000704, AP001727, AC009086, and AL049758.
HTGAR21	2323	838159	1 - 1090	15 - 1104	AI733856, AI732671, AW023111, BE676900, AA598998, AA557945, AA525998, BF805088, AW865946, AW970571, BE139267, BE139358, AA502175, BG223280, AW962942, AI246080, AW502949, AA847499, AV762633, AL037683, AA169245, BF854308, AI251034, AV728856, BF740874, AW265688, AI821420, AA501614, AW069227, AI284640, AI254770, BE139139, AI250552, AI284543, AV764383, AW327624, AI370475, BF724699, AV763418, AV759935, BF884857, AA584148, AA610381, AI251284, AI251203, AI223626, AI885572, AI634187, AA657835, AA631507, AA602438, BF804385, BE042511, BF917346, BF832074, AI368862, AA654778, BE138387, BF870792, AW303098, AW817525, AA714288, AA809125, AV763026, AV763058, AI963720, AI358229, AW105255, AF177861, AL042667, AL042670, BG222875, AI821271, AI174230, AW780202, AW410354, AA507692, AI247101, AV761383, AL042735, AW082651, AW004884, AW960468, AC011811, AL031432, AL121825, AL135978, AC005089, AC005041, AL118520, AC002456, AC004020, AL133288,

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HTGAS70	2324	827320	1 - 1789	15 - 1803	AL527313, BE250704, AW024903, BF971907, BE794305, BE299497, BE297489, BF972631, BE299747, AA837509, BE315367, BF032984, BF976368, BG024778, AU121791, BF795694, BE250723, BE383228, BF182924, AU118843, BE540526, BE299794, AU121243, BE300366, BE019456, AI718349, BF128650, BE382653, AI668918, AU117274, AW513499, BF305677, BE542896, BF309422, BE251272, AI337389, BE311892, BF663119, BE273001, AV710647, BE252047, BE514633, BF304704, BF306989, BE019047, AW173575, AI949707, BE899412, AU151171, AI620663, BG031984, BF307361, BE302337, AU145314, BE311859, AI657022, BG031298, AA487662, AU128960, AI801052, AI819677, BF688299, BF308270, BG107353, BF203854, BF029004, AA599847, AI049623, AA582227, BE394427, AI620675, W56054, AA830891, AL527272, AA487452, BF941691, AV701431, AV701043, BE294665, AV701017, AV701332, BE780334, AV701248, AI910487, BE707331, BF204783, T89792, AV699866, AV719822, AW513505, AV720211, BE696388, AV701335, BF571553, BF212577, AI284640, AV701357, BF512492, AI963720, AV720464, AV718844, AA310605, BF668217, AL046409, AV699480, AI890348, AI334443, AV743601, BF677892, AW580625, T89426, AA610491, AU147800, AV762395, AV740801, AF330238, AV760777, AV710066, AI696252, BF241967, AW193265, AW965008, BF311000, AI431303, AV761362, AI270117, AL037683, BF827410, AW419262, AL119691, BE049095, AW973541, AV762064, AV729809, AV735495, AV763540, AV762397, AV761489, AV761745, AV728425, AI613280, AL041690, AL138455, AL138265, BF724372, AW833862, BF671746, AI064864, AI457397, C14014, BF337291, AW500125, AU147104, BG249643, AW303196, AV739901, AV725423, AW274349, AI801482, AW513362, AA680243, AW028429, AV701166, AV742057, AA490183, AV763971, AA587604, AI345654, AV763449, AI281881, BF680074, AW301350, AV759204, AV735370, AW973397, AA720702, AV760466, AL045053, AI076616, AV760937, AW023672, AV763354, AL042853, AW268300, AA665330, AV763670,

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HTGAT65	2325	688864	1 - 1596	15 - 1610	BF369254, BE671459, AI369438, BF887963, H05929, AA371011, BE245107, AV754127, AA614340, BG008548, AI382205, BF854518, AW518364, AI168274, AB017567, AC010169, AP001630, L47234, AP001710, AP001748, AP000553, AL035685, AC004988, AP000246, AL137797, AL139100, AF148855, AC008372, AD000092, AC002369, AC008569, U91323, AC004491, AC005484, AL133551, AL031658, AL049830, AC018738, AC010519, AL160175, AL031230, AC008116, AC027319, AC016716, AL133238, AC004967, AL121655, AC005412, AC007240, AP000207, AP000129, AL139097, AC018682, AC021999, AC020754, AC013429, AL138717, AC007182, AL031286, AC011514, AC005000, AC007956, AC002565, AL139377, AC005102, AB020863, AF001550, AC010271, AC023965, AC023965, and AC023965.
HTGAU17	2326	605125	1 - 1214	15 - 1228	AA742254, AW971985, AA482693, AI890650, N72011, AV760800, AV695478, AV761190, AL121777, AC002288, U82828,

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HTGBF47	2327	511189	1 - 773	15 - 787	AI590038, AV738722, AV740060, AW815297, AW074398, AI792580, AI792510, BF541062, AW851028, AI670124, AI611990, AI721122, BF806164, AW575742, BF185300, AW419262, AW301538, AI254649, AI345241, AI254486, AI251212, AV700487, AV683151, AW064321, AV699480, BG249643, AA828569, AA947364, AA366035, AI581244, AI284640, AI783494, AI431303, N84156, AA308806, AW021917, AW999300, T58118, AA515435, BE049139, BF737342, BG010083, BF956102, AI637587, AA731636, AA805996, AV685981, BG028865, AV699370, AW793953, BF917533, BE063133, AV725423, AI064864, AV728425, BF962283, AW978219, AI345654, AW963497, F36273, AI053476, BF829536, AW023672, W60516, AI613280, AW969629, R66997, AW875036, AI633390, AL044940, AI205126, AU121503, BG014866, AA077817, BF887156, AV700163, AW341903, AI016000, AW500125, AW972769, BF243118, BE151726, AW193265, BF724531, AW673241, AL038785, BF886884, AI344844, BF808370, AA809029, AI355238, AW836456, AV704740, AV735370, AW151016, AV701613, AV702857, AA626678, AV701844, AU147488, AW769399, BE064683, AI305766, AW082108, AW972628, AF074677, BF131467, AI053672,

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HTGCC01	2329	598903	1 - 1119	15 - 1133	AI733856, AW075979, AV763418, AV759935, AW962006, AI753904, AW976024, AA555232, AW474152, AV757289, AV764259, BE062478, AI871966, AI609972, AI521525, BF958502, AW237905, AA557945, BE062476, BF991881, AA515728, AA669238, AW500029, AA526339, BF991882, AV759632, AI623899, BG180976, AW086291, AA584484, AI252506, AV762245, H28709, AW833901, AW805539, AI926102, AV701462, BG110480, AW023111, AV695478, BE062545, AI251576, AA410788, BF854170, AV758976, AV733328, AI284583, AI310670, AV763401, AI865213, AV764383, BE396138, AA502991, T74524, AA493808, AW130350, BE138594, AW582137, AI431513, AA657752, AW963463, BE140949, AA584765, AI810236, AU147162, AI343143, AA578621, AW340905, AV762047, AI049630, AV756491, AA846923, AA535216, AW069227, AV763026, AV763058, BF681619, AW177869, AI612142, AW265688, AV701116, AL079734, AA715814, AU147414, BE063437, AL041375, AW020150, AA828637, AV703063, AW341978, AW975164, BF997771, AU152561, F25761, AA577706, AL037910, AA503298, AW835445, AV758989, AV759345, BE154832, AW514006, AW270652, AV718585, AA225406, AI357823, AA864603, AV719392, BE143025, T49633, AI357807, BF681363, AA064961, AI290405, AA829036, AI769271, AW873417, AI610941, AI310787, BF701278, AW327624, AV761157, AI635028, AW272294, AV760508, AI634187, AL041924, AL120976, AW969743, AA573067, AA773463, AA602557, AW500071, AI114557, AA747757, N23504, AI583252, AA904211, AI791156, AA297666, AA610433, AA579130, AA635433, AW265614, AV738383, AV758870, BF589824, H77492, AI961983, AC004933, AC004847, AC006028, AC012351, AL050328, AC016395, AC007263, AL096870, AL356801, AC024075, AC011479, AP001725, AL117330, Z95703,

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HTGCK43	2330	828867	1 - 948	15 - 962	BE792230, AV707602, BE378712, BF666333, BG035119, BF116020, BG116981, AV707960, BG256134, BF341602, AV751438, BF310592, BE407535, BF666644, BE390292, BE392600, BE542860, BF679049, BG149656, AI830218, AI692622, BF732233, AI186453, BG031712, AI279507, BF057368, AI189604, BE220391, AA609958, BE266129, N32817, AW516888, AI804219, BE277044, AI188204, AI373500, AI858044, AI139576, AA504330, AI344463, AI147647, AA576035, BF035496, AA521209, AA910358, AA526293, AI304803, AA745478, AI344465, AW206542, AA488220, AI922977, AI348254, BF446053, AA488167, AI086462, AI810755, AI081276, N42261, AA740463, AI200596, AW592483, BF590871, AI735032, AI358863, AI341936, AI219376, AI147651, AA512922, W74161, AA226209, AI348479, AI127019, AA078878, AI352374, AI074905, AA722666, AI080056, W31772, AI684218, AA488197, AW406347, AA618058, AI265847, AU144868, AA488254, N90921, AI140320, AA226545, BE645301, AA831686, AA303191, H46968, H40724, H46969, BE270754, AI918044, C18565, H59214, H41002, AA609344, W16486, BF908639, AA455452, F18818, AW139530, AA908395, AA936118, AA911834, BF909518, BE646187, AI754433, AW796612, AI581489, BE295161, BF155936, W31201, AI000842, AA857299, AW796421, AA335720, AW072105, AI143196, AA078877, AA715375, AI801923, AI243928, AI523658, N92459, W04671, AA155778, AA147783, AW407819, BF770025, AA455451, AW291842, AA483925, Z20855, BF768943, F25511, AW302426, AI251169, AI309388, AI254685, AI611893, AI345689, BE122653, Z21081, AW274188, AW274326, AW302312, AI252593, AA143742, Z20733, AW793343, AI610059, BE138468, BE675821, BF761202, AA922390, AI337080, AW002979, AW385945, AW977158, AU118265, AK021626, A75065, A74315, and A74959.
HTGDS43	2331	605094	1 - 936	15 - 950	AI656993, BG028551, AW270395, BF056974, AI675254, BE891273, AI968159, AI149713, AI968626, AW518029, BE241975, AI538328, AA693873, AI654498, BF222727, AA773515, AA897773, AJ227901, Y16893, AF110393,

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HTGDS92	2332	839478	1 - 1311	15 - 1325	AF076844, AC069282, and AC069282. AA531210, AA313824, AI053827, AA528523, BE069140, AW819125, AV761107, AI272052, BG180976, AW970571, AI754653, AW970940, AA515048, T74524, AV758355, AI635819, AV758870, AW958962, AW504485, BF725688, AW969743, AI792575, BF725884, AV760391, AW469214, AV762633, AV760389, AI306028, AW410354, AA013168, BG029528, AA833875, AA833896, AA019973, AW973992, AW969941, AI612142, H07953, BF681619, BF804385, W96522, AW084445, AV757425, AI085242, AI890324, AI253987, AL042756, BE063437, AV757642, AI380617, AW500684, AW328202, AW270258, AV740801, AI358384, AA916430, AW970896, AV741663, AI583252, AI610941, AI755214, AI287766, AA483606, AA225406, AV756848, AU118374, BE062159, AL118991, BE138594, AA570740, AW272294, AA829036, BF725844, AW068596, AV735495, BE439854, AI754105, BF725318, AI754567, AW103406, AV761989, AW575000, AW303142, AA054085, AW474168, AI733856, AI635028, AA640430, AI889440, BE968744, AI753488, AW265385, AI802804, AV760014, AI251576, AW816516, AI523316, AV738383, AV742057, AV764259, AA568204, AA640410, BF857849, AW327868, H29511, BE968477, AW960468, AW166808, AV762154, AA714110, AW976008, BF925233, BE019467, AW576251, AA483256, AC008039, AC009333, AF042484, AC020917, AC011491, AC006967, AC008753, AP000511, AC005619, AL137159, AC025430, U78027, U02532, AC009000, AL031659, AL133246, AL008715, AL031685, AL035462, AL033529, AC009004, AL034405, AC004824, AC005261, AF222854, AC005519, AC010358, AC005694, AL137073, AL035422, AC009516, AC005102, AL109936, AC011450, Z98941, AL021918, AC002477, AC006441, AL158040, AL049757, AF196779, AL117381, Z93241, AC008372, AC005082, AC008403, AC011442, AC004491, AC005399, AL121586, AL049844, AK024201, AL035684, AC009087, Z95331, AL096774, AC007686, AC008044, AC005512, AL139396, AC004222, AC004466, AC008569, AC008551, AL031730, AL121655, AF126531, AC004971, AL133263, AC005488, AC011489, AP001610, AL121891, AC005324, AC003689, AC007907, AL390298, AC007792, AC006014, AL139188, AL158830, AF222856, AC005527, AC007536, AL109965, AL157838, Z98742,
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HTGEX34	2333	877490	1 - 2287	15 - 2301	AW265468, AV763460, AW839858, AW575808, BF725436, AV759517, BF812696, AI318548, AW502688, AW504667, AI732720, AA425283, AW084152, AV755245, BF880881, AI523205, AI444575, BE049409, AW023390, BE967607, AA601376, AW975247, AW409621, AI826857, AI744890, AI344906, AV760048, BE875478, AA604601, BE392753, BG059924, BE747923, AL039436, AW514844, AW162762, AA631915, BG259634, AA493546, AI572680, BG034698, BF681222, AI890283, AA593168, AA525818, AL042667, AL042670, BF790866, AA557945, AW962971, AL036896, AV706458, AI860423, AI819419, AW880986, AI889177,

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HTGFM31	2334	862070	1 - 2043	15 - 2057	BE154889, AU122426, R94800, AI248758, N63092, AI241207, AW135169, AA962815, BE182901, AA377710, AA863089, AI289851, AW148668, BE222074, BF924993, AI084380, AI189108, AA443542, AV730946, T95339, BE154868, BE065596, H20016, AA358463, H59708, BF841564, AL391122, AC073607, AL161771, AL139429, AL161621, AC009784, AL353680, AL133467, AL139351, AC007677, AC006054, AL137063, AK022423, AC003968, AC004177, AL031053, AC024255, AL138478, AF235098, AC007620, AP001719, AP001694, AL031983, AC006137, AC005863, AC009365, AC004010, AF205588, AC005076, AC026239, AC010874, AL109953, AC008080, AC004941, AL109914, AL353734, AL109854, AL160033, AP001732, AL035073, AC003954, AL121871, AP001720, AP001674, AP001038, AC009242, AF165142, AC010170, AC007464, AC008774, AL121873, AL390738, AC007312, AC005899, AC005476, AF003529, AC004946, AL035457, AL163278, AC026884, AC002402, AC005062, AL132642, AC006339, AL117337, AL031056, AL445204, AL356750, AC020977, AL121577, AP000170, AL035698, AL365444, AP000140, AL390316, AL391122, and AL139084.
HTGGM37	2335	827310	1 - 1913	15 - 1927	BF963345, BE675136, AA639137, AW963594, BG013521, T52745, AL040816, AA847499, AA491767, AL037777, AI141964, AA524800, AI280574, BF725844, AW019964, AL048060, AI821382, AA456149, AI820534, BE155270, AA484428, AA664126, BE155243, F33494, BE155269, BF820915, AA533054, BE185771, AI990666, BE881741,

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HTGGN22	2336	782853	1 - 779	15 - 793	AA586915, AW962388, AV707067, AL135357, AV709273, AV702857, AV653153, AW958225, AW963489, AV703063, AV726754, AW962649, AV708388, AW019945, H65400, BF870094, AW955724, AC006064, AL031770, AC008805, AC011895, AD000092, AL022313, AC005015, AC005088, AC007786, AF030453, AC004000, AC004834, AC006241, AF002223, AL096791, AP001711, AL390209, AC011465, AC004966, AL022330, AC020908, AP000211, AP000133, AC004032, AC006120, AC011479, AL049636, AC008745, Z83838, AC002091, AL049839, AC006211, AC011811, AL121891, Z93016, AL031311, AL023096, AC018751, AJ246003, AF053356, AL139188, AC020913, AL121658, AL133211, AL158040, AL109952, AC009516, AC010422, AC005988, AC004099, AC005522, AC012442, AL031587, AC011491, AP001748, AL031670, AC009086, AL033526, AC009087, AL158196, AC009600, U82670, AC005527, AF196779, AC003010, AC005324, AL031584, AC004655, and AL121928.
HTHAA41	2337	809107	1 - 1929	15 - 1943	AW249975, BG034315, AI022083, AA883479, AA280829, BF109933, AW954044, AI131464, AI767285, AI028209, AI683470, AI122832, AI082866, AA478302, AI128465, AA807325, AW189100, W87682, AL526284, AA827898, AI218567, N22400, AA443098, AA383870, R62948, AI758998, BE142294, AA906396, Z40072, BF752749, R76465, AA361094, AA731868, AA620328,

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HTHBC58	2338	839916	1 - 1465	15 - 1479	<p>AV702503, AA383959, AA524604, AW021674, AV683406, AA180056, AW504667, AA179364, AA425283, AI318548, AW275432, AA601376, AA313025, AA493546, AW514844, AI090377, AI253347, AA595661, BE974200, AW963489, AA533660, AI076729, AI065031, AA199578, AI732690, AA533066, BF942991, AA831426, AI254463, AA669238, BF724416, AA493245, AI252005, AI433952, AI609992, BF944618, AW631267, AA573067, BF970107, AI570067, AV729908, AW501278, BE392753, BE247422, AW474825, BE328286, AA610644, BF084979, AI889345, BE048305, AA535558, AI754421, BF681222, W02419, AA676592, AW880986, BG034698, AI801563, AA525753, AI610814, AW517561, AW157128, AA367920, AI797998,</p>

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HTHB072	2339	824078	1 - 524	15 - 538	R34433, AW582841, Z42412, BE298734, AC011597, AC011597, AC067726, AC067726, AC074266, and AC074266.
HTHBQ29	2340	561547	1 - 1076	15 - 1090	AI754955, AW301350, AW303196, AW274349, AV760777, BF677892, AI284640, AL046409, AF330238, AI334443, AA394271, BF668217, AI431303, BG249643, AW833862, BF965007, AW439558, AA587604, AA649642, BG236735, AA470969, AL138455, AA610491, BF816072, BG109996, AI754253, AI457397, AV740801, AV710066, BG222267, AV735495, AA531372, AI133164, AL045053, AI919265, AW021583, AV728425, AV756693, AI305766, AV759172, BE160727, AV760937, AW327868, AL120269, AW467362, AL119691, AW630298, BE872393, AV742057, AI270117, AI133102, BF475381, AW970848, AW500353, AW103758, AA581903, AI613280, AW502975, AV725423, AA551503, AL138265, AW872575, AI801482, AL041690, AL037683, BF130107, AA490183, AI963720, AA720702, BF919090, AV760466, AV734666, AV761745, AV763354, AW872676, AV764578, AW969629, AI866856, AW472872, AL042753, AW513362, AI249997, AI370074, AI350211, AV759204, AV762535, BF683672, AW419262, AW407578, AU147104, AW193265, AW265385, AA630362, AA862173, AV762098, AI708009, AI370094, AW028429, AV710774, AF074677, AU122470, BG179731, BE672637, AV681599, BF724767, AI754336, AL042853, AV713243, AA631507, AW995093, AI890348, AI254615, BE869857, AA665330,

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HTHBZ91	2342	637697	1 - 972	15 - 986	AL037632, AL044340, AV762220, AW962035, BE908602, AI054414, AI061646, AA524604, AV760760, AF074667, BG260565, AL048969, AI133516, AW963982, BE796439, BE393367, AW131249, AL048626, AV761207, AV734607, BF826830, AW965008, AW188427, AV760360, AU147226, BF828714, AW970987, AV733710, BF679169, AV696428, AV684596, AI076616, AV763135, AV691908, AU145155, AA640277, AV763683, AA584482, AV711842, AW102811, AW151713, AU145521, AW069670, AW419081, AA311156, BF892846, AI261913, AL038705, AV695357, AA572983, BG056362, AW372037, AW963117, AI820959, AV737621, BE395467, AW079809, AA224525, AA584862, AA017377, BF673911, AA493641, AA577824, AI633490, AI114494, AA572971, N70044, AC002119, AC005971, AF196779, AP001711, AL049840, AC010102, AC068799, AP001716, AP000688, AP001760, Z83840, AL121653, AP001712, AC006101, AC008569, AP001726, AC009365, AC005520, AL133153, AP001724, AC009600, AL133260, AC020629, AL021939, AC007199, AL050335, AL139095, AP001725, AP001696, AL133445, AC003070, AP000211, AP000133, AL035458, AC010223, Z77249, AC005921, AC005823, AL034405, AL109627, AC005071, AC002351, AC005874, AF134471, AL022398, AL035450, AL031230, AF131216, AC004890, AL139286, AP000030, AL049759, AL022721, AL031658, AC007912, AC012081, AC007308, AF243527, AC005914, AL117337, AC002470, AF196969, AC007263, AP000212, AC034242, AL157789, AL133545, AC020906, AL121949, AC005822, AC010582, AP000493, AC011290, AL009181, AL049795, AJ229043, AC006026, AL138690, AC008812, AF186190, AP002534, U91321, AC005233, AC021999, AC002544, AL049636, AL136300, AC020754, AL023575, AC018755, AC004895, AL445567, AP000032, AF001549, AC002542, AC006211, AL139327, AC008066, AC005081, AC005020,

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HTHDF45	2346	621313	1 - 1012	15 - 1026	AI554554, D31105, AA766369, AW197624, AW576437, AC008536, AL157818, AL031658, AC068799, AP001717, AC024578, AF265340, AL121601, AC004840, AC002288, AC005088, AC008736, AP001719, AL121658, AL136223, Y10196, AL132855, AF030453, AJ246003, AC007225, AC007052, AL109984, Z95115, AC005952, AP000347, AC004104, AC020916, AC058791, AC005738, AL109743, AC006534, AC006534, AC006534, AC023123, AC023123, and AC023123.
HTHDF86	2347	815686	1 - 1521	15 - 1535	AL040921, AW002585, AV733710, BG032943, AA708108, AW102811, AA486896, BE613732, AU120416, AI457389, AL121235, AA938105, AW406447, AW328050, AA749158, AV763892, AI141202, BG034591, AA722372, AI038990, AI499938, BF838591, BF852604, AL041013, AA347241, BF690726, AA017377, BE152248, BE071877, AW248523, AV709806, AV700498, AW820787, AC006451, AC005899, AC004166, AC004263, AC005057, AC005914, AF139813, AC008569, AP000692, AC005098, AC020904, AC005231, AC027319, Z93015, AP001725, AC007546, AC011811, AC010458, AC010422, AC008812, AC005522, AC005000, AC005480, AC083863, Z83844, AL157938, AJ400877, AC010463, Z95115, AC000353, U95742, AC008567, AL109743, AC007216, AC005037, AC004955, AL139343, AC005031, AL022316, AC004019, AC007686, AC006329, AC011489, AC009314, AC008403, AC011895, AC006449, AL034429, AC005519, AC005103, U62293, AF047825, AL034420, U80017, AC005736, AC008551, AP000501, AL049569, AC002350, AC005620, AL050321, AC004638, AL138976, AL132987, AC006064, AC005694, AC004856, AC004890, AL035458, AL158198, AF001550, AP001630, AC020917, AL118506, AC011479, AC020916, AL121751, AP001748, AL109825, AC007308, AL080242, U95740, AL024498, AC002476, AC008753, AC007637,

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HTHDP65	2349	637699	1 - 619	15 - 633	BE719610, and AC011849.
HTHDP65	2348	824685	1 - 1228	15 - 1242	AW236370, T47831, AI590404, AA174108, BG006133, AA303007, AA747748, AW504011, AA745117, AI886338, AV702736, AV739661, AL050348, AC004531, AC005358, AL139318, AC009470, AC018755, AP000099, AC007298, AC009032, AP000036, AC010267, AP000260, AC004878, AC007193, AC009086, AP001753, AC005944, AC005914, U47924, AC005488, AC002476, AC005332, AL020997, AF172277,
HTHDP65	2348	824685	1 - 1228	15 - 1242	BE719610, and AC011849.

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HTHDT25	2350	655370	1 - 408	15 - 422	AC016969, AF020503, AC016969, AC016969, AC021406, and AC021406.
HTHDV50	2351	789402	1 - 521	15 - 535	AA342698, R84390, AI619681, BF998133, AW242032, AA807745, AW794915, AA018351, W28805, H59841, W27025, W26962, BF846522, AU119384, AW964016, AA293082, AA015940, AA709455, W27847, AL121776, AC008551, AL360227, AC005738, AC007461, AC004499, AL391097, AC005157, AL109799, AL031733, AP001732, AC004905, AC002539, AC006948, AL031683, AP001698, AC073130,

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HTJMJ72	2353	840032	1 - 840	15 - 854	AI631894, AI307226, AW277252, AI950548, AW438607, AI566922, AW080266, AW779286, T25834, AV698087, AL042377, AV760391, AV760389, BE047915, AL138431, AV759518, AV760560, AV757096, BF969740, AV729953, AV733824, BG164617, AL042753, AV762619, BE882869, AV687035, AV756074, AL138455, AV711242, AL079447, AL110373, AI111171, AV757849, AL043052, AV763915, AL041924, AV762645, AV662292, BE061322, BF337291, BE252421, AA808153, BE378571, AL046463, AL040038, BF751331, AV763460, AW969541, BG115678, BE969581, AL042694, AA748682, AI912496, AA828373, AA687471, AV733431, AI250821, AA594157, AV762395, BF725761, AI089811, AV760466, AL048482, AL515185, AA470486, AV756220, AL041154, AW827115, AI921406, BF773282, BF342223, AL045943, AW994402, BF339483, AV727614, AL041208, AF217796, AL353715, AL353625, AL121656, AL035407, AF113676, AL035458, AB049758, AF116691, AC006994, AL354776, AK026551, AC024247, AC004883, AC004987, AC016652, AL035587, AF090886, AL034417, AB050534, AC004878, AL162742, AL034374, AC007298, Z82206, AL049430, AP001343, AC004686, AC004971, AC020956, AC009501, AC012312, L30117, AC023880, AC025765, U62317, AC007907,

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HTLAD74	2354	638978	1 - 957	15 - 971	AI570261, AA297776, AW502688, AA557945, AA525753, AW088616, AI801479, AI702049, AV761989, AI444575, AW020612, AA935827, AW021917, AW192518, BF916933, BG059139, AV760391, AI572680, AA904211, AA482711, AA491831, F29968, BG000680, AA483256, AI335963, AW104748, AV764535, AL042667, AL042670, AW148821, AV732057, BG180320, AW080134, AA847499, AV760389, AL121039, AW265468, AI679782, AW979200, AA613624, BE155099, AW407007, AI610468, AA937766, BG236735, AW162314, AV730440, AW501278, AI251436, AA837084, AA714110, AI923052, AW088202, AI084223, AI733856, AI064864, AW105463, AV764307, T05834, AW162332, AI583252, AV764334, AI521525, BF751949, AI499954, AV731938, AI344906, AI144081, AW969831, AA644090, AW302753, AW410844, AI040051, AA728954, AA605056, AI445883, AI054244, BG057207, AL038785, AV759274, AA491594, AA708883, AI307201, N49298, AA015948, BE139230, AA501461, BG059314, AI962030, AA652057, AI064968, AI821987, AI732869, BE245576, AA348929, AW020150, BF811714, AW513852, AI612142, AA507623, AV735370, AV710306, AW276435, AV762354, AA708760, AA132929, AV759517, BG250794, AI866580, BG029528, AV763255, BE044000, AW962971, AV734666, AW977134, AA614304, AV758849, BG111363, AW410784, AA513181, BF974756, AI801482, AA601290, AI687343, AV762826, U66061, AC004458, AL138756, AC005510, AC002524, AL079341, AC005926, AL163210, AP001691, AL360078, AL034449, AL096861, AL049767, AL136146, AL356108, AL158141, AL160007, Z82206, U95743, AL109854, AC010206, AL133329, AP000402, AL355305, AL078477, AC002429, AC008055, AC025030, AC004605, AF053356, AP000066, AJ271735, AC004087, AC006210, AC005015,

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HTLAF81	2355	855970	1 - 1215	15 - 1229	BE620793, BE886569, BF035435, BE938654, AI688484, BE205790, BE672459, AI809650, AW401575, AI651525, AW206858, AI970319, AI637695, AI339134, AI018679, BE964631, BG256448, R58134, BG032779, AW384517, AW384519, AW384562, BE544778, AI917659, AA994773, BF994172, AW384548, and AB032966.
HTLBF46	2356	839774	1 - 1246	15 - 1260	BF792355, BF347798, AI565755, AA780301, AI342368, BG029467, AV711439, AI200880, AW195697, AW592411, AW293972, AI028147, AI050849, AW956599, W76561, W72567, AI628717, AW956600, AI474504, AA961641, AI690047, AA351201, AI188239, AA421327, AA451937, BF851410, H28161, BF475451, AI970927, AI028709, AA564691, H39591, BF943535, AI421663, AW469519, BE502253, AW304417, AA937142, AA887297, AW090646, AW162356, AA338898, AW955703, AI682426, AI431720, AA770094, BF527401, AA336059, AA478441, BF924677, AI805074, BF924528, AI684955, AW956658, AW954991, BF445483, AI699559, BF002887, BF994045, AI568803, AW148334, W23209, H15748, BF968358, AW292661, N24530, AA421432, D45644, AA364898, AI758364, AA378321, BF925999, BF995849, N33969, T08879, AA324713, C20566, R53414, AW803703, AF088886, AF071748, AF071749, AF136279, AR016587, AL137742, AF132894, AJ007331, E15813, AF197480, AF136280, AJ131851, AC019220, AC019220, AP000481, AP000481, AP001100, and AP001100.
HTLBF63	2357	762847	1 - 1110	15 - 1124	AA868819, AI825670, AI637802, AI683677, AA399396, AI862030, BE889583, AI921941, AL048847, AI190537, AW452864, AL535421, AA993449, AI804588, BF870867, AW958783, BF870862, AW958785, AW340806, AA383562, AI824983, AA853920, AA861369, AI825688, N80709, AA383668, AA398249, AW104729, BG222909, BE500984, BF846867, U70824, U70880, AC002481, AF123386, AF242567, AC002481, AC002481, and AC002481.
HTLCX82	2358	847091	1 - 906	15 - 920	BE895266, AI692666, AW157552, AI015973, AI689900, AW963262, AW131853, BE218199, AA894904, AI758863, AA778702, BF437932, AA808247, AI990148, AI692715, AI472271, AW001076, AI369125, AI366347, AW172292, BE218953, AL042649, AW663918, AW592717, BF197398, AI671343, AI689434, BE327560, AA705479, AI890951, BG056326, AI986066, AA884562, AA443162, AI457884, AI824337, AW613722, AW249607, AW245434, AA635189, AW295998, AW016141, AW884250,

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HTLDD89	2359	688059	1 - 475	15 - 489	AI126433, AA758911, AI023219, AA846543, AA416777, AI208486, AI150105, AA629344, BF812960, AI823719, AL037582, AL037602, AI670009, BG001293, AW129264, AV746955, BF811802, AI500061, AI804505, AI345415, AI254814, BF828206, BF816042, AI638644, BF997967, AI270039, AI611743, AI538980, AL046466, AW198090, AI446511, AI582912, BF814449, BE621256, AI590043, AV682536, AI522052, AI633125, BG027280, AA974506, AI658566, AI636811, AI698391, AV750565, AI887772, AV734167, AF062711, AI554821, AI648408, AI261589, AW058304, AI499570, BF811804, AI345612, AA641818, AI281867, AV728592, AW151714, AW089844, BF876453, AI539800, AA916133, AI866469, AV758209, AI345416, AI927256, AW081383, AI884318, AI252582, AW080076, AI673363, AI288285, BF812961, AI620056, AI873638, BE243077, R78396, AI249877, AL134828, AW001850, AI624693, AI470293, AI538564, AW827289, AI934011, AI916419, AW152182, AL045986, AW082532, AL121286, AL120921, BE966287, BG111199, BF868489, AI635016, AI473536, AI446775, BG260052, AV746964, AL043293, AW081298, AI701097, BG249582, AI376425, BE886922, AI345688, AI571439, N81164, AW504318, AW118518, AL040528, AI925404, BF814412, AI586931, AL046595, AI648509, AI538850, AI610115, AI249962, AI802542, AW078606, AI095003, AI580436, AI539462, AI915291, AL039086, AW008226, AW023928, AI309306, T69241, AI859932, BF911517, AI275609, AI702073, BE965707, AI475806, AI819545, AL514809, AI224027, AI922996, AI445829, R20540, AI690813, AI583578, AI371243, AA640935, AW079572, AW161202, AI249946, BF669151, BG112239, AI252371, AI479292, AI801232, AI440239, W38553, AL036705, AI954475, BF752997, BE965129, BF814527, BF814357, AI932739, AW163554, AI568114, AI679771, AV729220, AI524179, AW083572, AI254859, AW150794, BE877065, BG171581, AI651840, AW089387, BG104819, AI799189, AW089350, AI627893, AW162194, AI571945, BE540209, AI591228, AI433157, AI554344, AL039276, AI628325, AL047187,

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HTLDN34	2360	866199	1 - 868	15 - 882	AI656893, AI953040, AW305250, AI654984, AI017953, AA774461, AI142278, AA961629, AW469733, AW592204, AA868593, AA969037, BF751997, F35867, AA766286, AA085220, AI630915, AI679960, AW150609, AB022441, AB022083, X57084, AC004455, AC002072, U76419, AK025524, X51671, AL080127, AL137659, AC010604, and AC010604.
HTLDP19	2361	885353	1 - 943	15 - 957	AL041454, BF829679, T49325, AW629475, AI125526, BF511668, T49324, AI393108, AI869166, AA609428, AC009123, and AC009123.
HTLDY30	2362	901885	1 - 1226	15 - 1240	BF690134, AI355435, BE707484, AI690747, BE552292, AI824952, F11557, AA350041, AI445100, AW874152, R20569, R60457, AW954555, BE906320, Z42653, AI378701, AI312329, AI311199, AI335080, AI344070, AI311279, AI310773, AI344249, AW075103, AI311900, AI377604, AI311506, AI377150, AI800367, AW615822, AI345933, AI345428, AI344242, AI371575, AI310842, AI246918, AI311518, AW271134, AI500077, BF946647, AW026610, AI445165, AI570009, AI281762, AL513837, AW085799, AI682841, AI758437, AW129202, AI273142, AI269696, AI538829, AI873731, AI498579, AI433976, AI784252, AI274541, AI678302, AW149287, AI282655, AI869367, AI811353, AI269205, AW183130, AI590128, AI279984, AW268253, AI538790, AW301409, AW132056, AI271786, AI568855, AW074993, AI349614, AI868831, AI480118, AI863014, AI312152, AI500553, AL044207, AI249323, AI349937, AI348897, AW080079, AI307708, AI889203, AI679764, AI281779, AI440426, AW129171, AI597750, AI290154, AI281837, AL036146, AI282281, AW075351, AI888953, AI653836, BE965159,

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HTLEJ24	2363	608317	1 - 914	15 - 928	BE250966, BF526976, BG005830, U55991, BE387679, AI523831, AI220513, AI809311, W72743, BE395222, BF969738, AI080305, AI809303, AA058572, AW576097, BE908638, AI870771, AI219592, AW771597, AI914114, BG056680, AI356543, AA970516, N23943, W77922, AA470469, AW071229, AW028724, AW016176, AI572664, AI933312, AI032420, AA918880, AA211889, AW406751, AI073475, AW262487, W04578, AA863481, AI079603, AI763093, N80749, AA324169, AA454831, AA018438, AA349561, BG036741, BF967414, AI138838,

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HTLEJ75	2364	815631	1 - 2555	15 - 2569	AL518739, BE512745, AL043060, BE737302, BE901669, BE898526, AW604477, AW604462, AW604459, AW854404, AW604469, AW604458, BF309533, AW578556, AW604476, BE263853, AW369672, AW604464, AW604475, AW854403, BF309187, BF315567, AW854395, BE297223, BF970231, BE302920, BE260224, BF307261, AW604479, BG115188, AW578563, BE277643, BG177775, BF948059, BE788212, AW854389, AW854400, BF182714, AW578567, AW578570, AW753397, AW578568, AL039250, BE297994, BG121567, AI626030, BE258725, AA781463, AW578562, AA779263, AI346924, AW578560, BG251575, BE785838, AA059310, BE963424, AW341565, BG166020, BE391966, BE206052, AW005681, BF154715, BE019468, BE797864, AW192772, AW270165, AA779174, AW513476, AW513626, AI498959, AW304067, AI346453, BE618405, BE887159, AI190906, AA316419, AW513464, AA913838, AA297143, AA431831, AA825650, AW300842, BE559591, BE409605, AI261504, AW628400, BE328722, AI689437, AI200337, AI686854, N93175, AW854393, AI934970, AI204927, AW965481, AW580603, T54101, BE270220, T78850, AI281034, AI088076, AA732994, BE267534, AW169476, AA969080, BE513771, W61063, AA592923, BE513567, H24815, AI380211, H14191, AI873086, BF813364, AI703222, R88949, BF839458, BE714874, W61237, Z39429, W38929, W02750, H14192, BF092987, AA922489, BF927336, BF082179, BE513353, R78494, BE267836, BE350854, BE267601, Z43357, AA339147, AW361470, AW604308, BE387628, AI092657, BE561122, AA514926, H30142, AA297157, H92445, AW850718, BF183809, AW850707, AW604266, R78545, AI915312, AI940004, AW380022, AW008756, BE397324, BE513620, AI392838, R89623, AI277091, AW380016, H24767, T78126, AA369407, R38013, BE673076, AI191073, BE268816, AI926368, AW997135, AW473489, R02641, BE269214, AA297049, BF844699, T35145, AI380393, AA297280, BE253615, AA368007, BE180677, AW136204, AW176441, BE548673, AI784284, AA085877, R01700, AW269991,

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HTLEJ75	2365	762849	1 - 1178	15 - 1192	AL518739, AL043060, BE898526, BF309187, BG177775, BE260224, BE258725, AI626030, BE297994, AA781463, AI346924, AA779263, BE963424, BE785838, AA059310, BG166020, AW341565, BG115188, BE206052, AW005681, AW192772, AW270165, AA779174, AW513476, AW513626, AI498959, AW304067, AI346453, BE887159, AI190906, AA913838, AW513464, AA431831, AA825650, AW300842, AI261504, AW628400, BF970231, BE328722, AI689437, AI200337, AI686854, N93175, T54101, AW580603, AI934970, AI281034, AA732994, AI088076, AW169476, AA969080, W61063, AA592923, AI380211, BF813364, AI873086, AI703222, W61237, W38929, Z39429, H14192, W02750, AA922489, BF092987, BF082179, R78494, BE350854, AI092657, BF154715, BF183809, AA514926, H92445, R78545, AI915312, AI204927, AI940004, AW380022, AW008756, R89623, AI392838, AI277091, AW380016, H24767, R38013, AA369407, AI191073, AI926368, R02641, AW473489, T35145, BE737302, BE512745, AI380393, AA368007, AW176441, R01700, AI784284, BG251575, BE253615, W24760, D25648, C20588, AI801471, BE513018, BF839459, AA085877, BE019468, BE348745, BF946313, Z43357, AF007151, AK025496, AL359388, AL359388, AL355490, and AL355490.
HTLEP55	2366	637704	1 - 1493	15 - 1507	AW072465, AI191876, AW184014, AI188127, AW592084, AA913265, AI688734, AW583212, AA913762, AA628217, BE047066, BE045767, AA844767, AW583974, AI915414, AI873306, AW583682, C05775, C05980, BE969749, AA844866, AW874324, AW583435, C75601, C75319, BE047030, C75224, BE970067, C75123, T29243, C74988, AA835139,

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HTLEV80	2367	866200	1 - 1115	15 - 1129	BF034402, AV654723, AL042327, AW965806, AA608890, AI075802, AI275819, H28127, H51414, AA304872, AL043818, AA312451, AI028769, R61788, H51456, AA143720, H41849, R61787, AI863237, AW961037, AA338691, AI906712, AI906779, BF206255, AF026487, AB008567, AF026488, AB008551, AB001347, AF225960, and AF026489.
HTLEZ57	2368	634874	1 - 989	15 - 1003	BG109997, AI620676, AA578621, AL024498, AC004491, AC007679, AC002073, AL132639, AF111167, AF205588, AF196969, AC003982, AL117377, AC011445, AC018720, U95739, AC005088, AL133163, AL050335, AC011462, AC008745, AL354864, AC007688, AP001725, AC005736, AC005874, AF134471, AL109984, AF196972, AC004883, AC004166, AL137061, AL008582, AC011470, AC002352, AC027644, AF038458, AC027319, AC020904, AL035086, AL136979, AC007676, AC002477, AL109825, Z93023, AC006312, AC009600, AC002059, AC011473, AL136137, AC002549, AP000692, U91321, AC004382, AL022238, AL135978, AC007193, AC007051, AL050307, AC000026, AF129756, AP001715, AL049779, AC022621, and AC022621.
HTLFA90	2369	740770	1 - 1300	15 - 1314	AL528557, AL516369, AL520141, AL516368, BE561420, BE270836, BE792986, BF337721, BF345859, AL527726, BF308063, AI345973, BF308516, AI479662, BF002495, AW515776, BE514052, BF529040, BE279534, AI949416, BE513976, BE783041, AL527727, AI221493, BE279877, BF530762, BE279503, BF115078, AW138689, BF310836, BF591143, BE271021, BE620143, BF060728, BF529564, BE019433, BE410251, BF446375, AI394563, BE206032, AW874315, BE734610, AI826836, AI005328, AW073549, BE769967, AI924531, AA987860, AA781473, AW083797, AI076903, AA243831, W03418, BE091177, AW594586, AI689053, AW573181, AA243752, N59534, AI863641, BE297201, AI419801, AI798158, AA450159, BE465963, AW438707, BE620569, AA280713, AA432197, AI138819, BE513949, AU137908, BE273855, R35388, BE077117, AI089019, AA450097, T77180, AA960875, AW276013, BF983086, AA913733, AA847199, BF766582, W96294, N78275, AI042610, AA865728, AA962127, R60376, AL528556, BE671867,

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HTLGL33	2370	835020	1 - 1689	15 - 1703	BF436797, BE614225, BF092492, AI201866, AI566970, BF509280, AW104472, AI656009, AW295965, AA758867, BF057078, AI219471, AI452536, AI743932, AW197851, AW135409, AI916057, AA398022, AI041112, AA928706, AI041252, BE502568, AW196570, BF222963, AI971262, AW894346, BF917434, AA913387, H86566, AI492117, AW894720, AW971983, AW090197, AW472972, AA574312, BE937627, AA662668, BF001949, BF436942, AV723803, AA927047, BF939436, BF934163, AI538251, AA732212, AW103239, AA975494, AA393984, AI688854, AA947763, AI612107, AV705323, AI567582, AL036705, AI345477, BE138624, AI670002, AA743430, AI568865, AI689096, AI224373, AI341690, AW089844, BF811802, AI499285, BF752997, BG111199, AI342023, AL134830, AI349640, BF911517, AI250070, AW303179, BF871314, AI701097, AI336581, AI335207, AI344789, AV681781, AI583670, N25033, AI336631, AW301513, AW072719, AW806761, AW268221, BF032768, AW268302, AW301459, AI884318, BF724894, AI318159, AI963631, AI863002, AI251963, AW301500, AI784233, AW302954, AW268122, AI719817, AI336582, AW080076, AI696714, BF766531, AI345587, AW301505, AI571439, AW104141, AI819326, AI491710, AW130134, AI633125, AI349772, AI539771, AW152182, AI579901, AI590043, AV747571, AI114703, BF669151, AI357049, AI538564, BF811804, AI690813, BG110532, AW081311, AI698391, BE896094, R41605, BG028055, AI349017, AI889189, AW151451, AI923446, AI879064, AI469505, AU118477, BG114528, AW834282, AW268164, AI499570, AI345415, AI591243, AI147292, AI587049, AI537677, AV759054, BE540578, AW051088, AI702073, AW301754, BF811779, AI623980, BF814449, AI250627, AI309392, AI349169, AI274647, AW194014, AI368579, AI240978, AI582912, AI433157, BG105895, AI589428, BG105500, BE878989, AW129230, AI335463, AI432644, AI560954, W38553, BG105812, AI472566, BF812961, AI638644, AW269095, AW026557, AI863197, AI349801, AI961403, BE393551, BG114103, AI915291, BG180273, AL514455, AI819545, AI366972, AV735732, AI589140, BG121222, AW301974, BF816042, AW236186, AI583475, AW269083, AI473536, N68309, AW301539, AI479292,

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HTLGQ25	2371	898114	1 - 655	15 - 669	AA812800, AA861049, AA778577, BG236239, AW274469, AA862667, AI201145, AW085021, AI219993, AV681575, and AL049634.
HTLGS72	2372	897278	1 - 1175	15 - 1189	AA935988, AA551503, AA533303, AA775207, AA491831, AA737432, AA601294, AA467844, AA467984, AA603185, AW265170, AL120933, AA494163, AA837655, AA769221, AI751216, AA531372, AA547947, AI932493, AA757797, AW270343, AA516226, W67368, BF792326, AW235497, AV739452, AW827120, AA468131, AA664909, AW168618, BE378770, AA879176, AV652936, AV734666, BF902055, BE065673, AI311927, M78005, AI445674, AA507824, AA493695, AA847499, AA483470, AA745406, AA541423, H09393, AW302903, AA632600, AA143516, AA548058, AW023672, BF347791, BF347740, AI687343, AA129446, AA502720, AA468022, AA523838, AA618452, AW238583, AV762009, AW275671, AW028392, AL046205, AW270382, BF826504, AI305766, AV762067, AV760777, AA378862, AA708336, AI000107, AL138265, AI431303, AI284640, AW501386, AI345157, AV734997, AA846953, AI583283, AW503256, AW020340, AW970871, T40452, AV745092, BG112237, AA649642, AV735370, AI872020, AV728425, AW960545, BF592311, AA482806, AA516309, AL120927, AW002350, AA720702, BE782280, AV710066, AA568869, AA515334, AA521323, BE897965, AA521399, BF681649, AV729809, AA846952, BF677892, AA837084, AF063563, AA581903, AV759274, AI254615, AA490183, AA649781, BF977376, AI538433, AI801482, AV736964, AA492166, AA634889, BE297262, BE253048, AI873852, AV762111, AW275510, AA857486, AI064864, AV763122, AV728410, AL038703, AI798473,

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HTLGY50	2373	839479	1 - 1231	15 - 1245	<p>AI040969, AI968404, AI016183, AI376647, AW104523, AI208020, AW236872, AI809978, AI219140, AW665274, BF515819, AI056863, AI971889, AW269906, AI572300, AA936591, AA907909, AI078017, R10482, BF115441, R11614, BF062319, AW592757, AW002858, R19404, AC004797, AC004797, AC004797, AC004797, AC069454, and AC069454.</p>
HTLHN86	2374	896930	1 - 2190	15 - 2204	<p>BG260679, BE744499, BE791844, BE799404, BF341229, BF340249, BG033558, BE787232, BE563298, BE512690, BE727788, BF128559, BE727160, BF792775, BE791996, BF526027, AL520325, BG118406, BF528636, BG120791, Z78324, BG252616, BE267489, AW997217, AA573951, AW378545, BE884919, BE545107, AW161658, BG058810,</p>

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FOI b6 b7C b7D

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TOTAL 60 E2005660

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HTLIW29	2378	899417	1 - 1068	15 - 1082	AI126185, AA161187, AA620757, AA448095, AI016399, AA525010, AI150137, AA448166, AA729680, AI278269, AA149942, AA447596, AA401115, AW971363, AA552523, BE546936, AA860356, AI217989, AI926900, AW379529, AA430431, AA159101, AA401114, H54045, AB031329, AB031330, AF058300, AB031331, AF058301, AC005361, AC005570, AC005361, and AC005361.
HTLJC15	2379	898235	1 - 1899	15 - 1913	AL520900, AL520550, AL520551, AL521649, AL520901, AV704088, BG029889, BG120878, AW372721, BE264987, AA779652, AL037829, BE906201, AL044300, BG170969, BE782595, BE891253, AL037830, AW372704, BE768930, AA722880, BF724791, BG104612, AA447813, N21569, AI168324, BE349318, BE047392, AW131642, AA478642, AI590628, AA292897, AA410845, AI829611, BG254734, R52846, AA447814, AI142945, AI142943, AA252189, AI359892, AA974206, BF508776, AI190425, BE350039, AI085888, D59872, AI446645, AI335769, AA861454, AI268764, AA776515, AI077663, AI806892, AW083118, AA554318, AI439022, AI373036, BG164250, R66420, AA302641, W73952, N42730, AA594115, AV683614, AI249488, AA936827, AI917956, AI367631, AA156886, AW511599, AW151261,

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HTNAL14	2380	886203	1 - 1975	15 - 1989	AA384474, AW844959, AK000061, AL136322, AL136322, AC008110, AC008110, AL139136, and AL139136.
HTNAL34	2381	588414	1 - 322	15 - 336	AW128892, AI343772, AI948618, AA384427, AW195101, AI301101, AI343847, AI758950, AC017061, and AC017061.
HTNBJ15	2382	834872	1 - 2780	15 - 2794	BG024845, AV729412, AV727820, AV706118, AV727921, AI694509, AI652985, AV700463, BE221744, AW451837, AI346439, AW956030, AA001417, AW961239, AA044200, BG251649, AW966602, BE549533, AL119469, W68156, AA149304, BE672336, AW276548, AI798830, AI797107, AI478522, BE218184, BE218205, AW073754, AI377034, AI820057, BF671782, AI262791, AI769419, AI192918, AW474455, AI280890, BE218450, AI221784, AI355712, AI685574, AA669116, AI638827, AI051914, AW470909, AI304371, AA669088, AI221783, BF435645, BE350309, AA906416, AI797470, AV658817, AI336072, AI610860, AI979215, AI982633, AA678955, AV658831, AI309915, AA860723, AI073465, AA156432, AA633999, AI304783, AW964448, AI887431, AI343660, AA044024, AV707660, AI969531, AI635907, AI285536, W31833, AI340134, BE222488, AI625054, W37252, BG149929, AI268147, AA058969, H40220, AI888613, AV707680, H58695, AI092296, AA976169, AW771638, AW794561, W33186, AA905274, AA251881, BF372058, AA694450, AI762947, AA001476, BE503144, AA083679, BF996354, AW204832, AW204841, AI865003, AA730992, AW953602, AI807440, BF733679,

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HTNBJ15	2383	845783	1 - 2778	15 - 2792	BG024845, AV729412, AV727820, AV706118, AV727921, AI694509, AI652985, AV700463, BE221744, AW451837, AI346439, AW956030, AA001417, AW961239, AA044200, BG251649, AW966602, BE549533, AL119469, BE672336, W68156, AA149304, AW276548, AI798830, AI797107, AI478522, BE218184, BE218205, AW073754, AI377034, AI820057, BF671782, AI262791, AI769419, AI192918, AW474455, AI280890, BE218450, AI221784, AI355712, AI685574, AA669116, AI638827, AI051914, AW470909, AI304371, AI221783, AA669088, BF435645, BE350309, AA906416, AI797470, AV658817, AI336072, AI610860, AI979215, AA678955, AI982633, AV658831, AI309915, AA860723, AI073465, AA156432, AA633999, AI304783, AW964448, AI887431, AI343660, AA044024, AV707660, AI969531, AI635907, AI285536, W31833, AI340134, BE222488, AI625054, W37252, BG149929, AI268147, AA058969, H40220, AI888613, AV707680, H58695, AI092296, AA976169, AW771638, AW794561, W33186, AA905274, AA251881, BF372058, AW204841, AA694450, AI762947, AA001476, BE503144, AA083679, BF996354, AI865003, AW204832,

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HTNBJ15	2384	853916	1 - 3337	15 - 3351	<p>BG024845, AV729412, AV727820, AV706118, AV727921, AI694509, AI652985, AV700463, AW961239, BE221744, AW451837, AI346439, AW956030, AA001417, AA044200, BG251649, AW966602, BE549533, AL119469, AA149304, W68156, BE672336, AW276548, AI798830, AI797107, AI478522, AV659189, BE218184, BE218205, AW073754, AI377034, AI820057, BF671782, AI262791, AI769419, AI192918, AW474455, AI280890, BE218450, AI221784, AI355712, AI685574, AA669116, AI638827, AW470909, AI051914, AI304371, BF435645, AI221783, AA669088, BE350309, AA906416, AI797470, AI982633, AV658817, AI336072, AI610860, AI979215, AV706746, AA678955, AV658831, AI309915, AA860723, AI073465, AA156432, AA633999, AV705020, AV702354, AI304783, AW964448, AI887431, AV707769, AI343660, AA044024, AV707660, AV725387, AV658362, AV726738, AI969531, AV709356, AI635907, AV706290, AI285536, AV706025, W31833, AV708809, AV727932, AV701851, AV726559, AI340134, AV703591, AV693117, AV727189, AV725181, AI625054, BE222488, W37252, AV727576, AV725152,</p>

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HTNBJ15	2385	884024	1 - 2780	15 - 2794	BG024845, AV729412, AV727820, AV706118, AV727921, AI652985, AI694509, AV700463, BE221744, AW451837, AI346439, AW956030, AA001417, AW961239, AA044200, BG251649, AW966602, BE549533, AL119469, W68156, AA149304, BE672336, AW276548, AI798830, AI797107, AI478522, BE218184, BE218205, AW073754, AI377034, AI820057, BF671782, AI262791, AI769419, AI192918, AW474455, AI280890, BE218450, AI221784, AI355712, AI685574, AA669116, AI638827, AW470909, AI051914, AI304371, AA669088, BF435645, AI221783, BE350309, AA906416, AI797470, AV658817, AI336072, AI610860, AI979215, AI982633, AA678955, AV658831, AI309915, AA860723, AI073465, AA156432, AA633999, AI304783, AW964448, AI887431, AI343660, AA044024, AV707660, AI969531, AI635907, AI285536, W31833, AI340134, AI625054, BE222488, W37252, BG149929, AI268147, AA058969, H40220, AI888613, AV707680, H58695, AI092296, AA976169, AW794561, AW771638, W33186, AA905274, AA251881, BF372058, AA694450, AI762947, AA001476, BE503144, AA083679, BF996354, AW204832, AW204841, AI865003, AA730992, AW953602, AI807440, BF733679, AV708214, R68741, AA111864, AI498435, AW183128, H80484, AA149278, AV654411, AA856892, AW901814, BF372089, AV653462, T36217, AA976147, R94269, AW978661, AA631419, AV721586, AA482712, AI910390, AI254349, AI673564, BF334653, BF693346, H40793, AA149264, AV706817, AV704256, W04585, BF126560, H58305, H63329, N34916, D80081, AW391280, AI648365, D20797, AA459353, R10264, D62480, T90793, AW445011, T33980, H78662, AA384252, BF954960, AW339413, D58362, R10265, AI698436, BF357151, D57611, H78607, T89062, AA369933, AI868095, R68686, Z40781, N87946, AW163747, BF352658, AA719387, H15739, AA888623, AA149418, AV658629, AA147560, R32228, AV658667, AV657151, AW805678, BF680994, BF357152, T83317, AA689254, AL121119, N87651, Z45050, BF915373, R21407, BE888600, BF831037, AI926116, W67697, AL079546, R79827, H15738, AA334779, H63252, AI954230, R32179, AW374297, AA326777, N57882, AA935060, T27320, AI889710, AI866057, R79633, AW152370, BF351884, BF376964, BF376971, BF944257, BF376934, BE838020,

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HTOAC65	2386	791689	1 - 1000	15 - 1014	AW976365, AW976375, AA651830, AA743256, AA761049, AC024028, and AC024028.
HTOAE47	2387	863188	1 - 1368	15 - 1382	BG111076, BG236336, AI648447, AL117186, AL117186, AL117186, AL138539, AL138539, and AL138539.
HTOAK03	2388	581103	1 - 1268	15 - 1282	AW501094, BF091763, AW503584, and D83781.
HTOAO58	2389	855972	1 - 1623	15 - 1637	AV656374, AI698302, AW608876, AW876532, BE074218, and X91827.
HTOAT56	2390	702026	1 - 1508	15 - 1522	AL527971, AL527114, AL525578, AL527662, AL530640, AL530639, AL525527, BE613157, BE744419, BG260459, BE730254, BG164178, BF974904, BF034551, BF974176, BG170056, BF124919, BE908482, AW575072, BE744815, BE393924, BE275013, BE909093, BF976711, BE741238, BE877307, BG170280, BE410451, BE746927, BF981222, BE962359, BG165516, BE264567, BE867863, BG168005, BG118709, BF219799, BE901548, BE548524, BE617852, AW245879, AW954693, BE905461, AL527127, BF036070, BE264389, BE747690, BF982815, BE870316, BE898281, BE396290, BG115529, BE612995, BF033023, AI885402, BE962247, BE735396, AW410641, AW819594, AW575125, BE617394, BG116465, BE298595, AI991184, AW935158, AW574792, BE676516, BE616937, AW574756, AW387107, BG106832, AI829944, AW512364, AW170092, BE674969, BF115964, AI921923, AA477599, AW008540, AI924538, AA402134, AI074307, AA873160, BF220187, AW387090, BF439439, AW337968, BG176553, AI829318, BF437001, BE208227, AW028819, BF976039, W95516, BE617598, AI139793, AA402378, AA857987, BE617360, AA745265, AW410640, AI005213, AI479060, AI091416, AI684266, AW242087, AA465253, AA456798, AI362816, AW512911, W79630, AI336176, BF875069, AW512623, AA609827, AI222764, AI972124, AI161220, AI538743, AI075402, BG014395, AA443894, N54144, AW474208, AI090476, AI446095, BE891033, BF744898, AI139048, AA873436, AA864636, AI598268, AI609956, AA292270, BF879837, AW194155, AI086820, AI096558, AI151109, AI027063, AW473682, AA536177, AI028016, F37944, BF037848, AA488987, AI805600, AA937584, AI434504, AW469206, AI613224, AI241070, AI469710, AW117881, AI074246, AI187204, BF876032, BG013080, AI619841, AA838514, AW473135, W79486, AI872263, AA576443, AA770528, AI348212, BE049246,

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HTOBG07	2391	566862	1 - 1330	15 - 1344	BE795901, BF203384, AL537625, BE165753, AW295634, BF928436, AI207863, BF817012, AA375456, AW276857, AA430998, AI821164, BE019597, and AI791924.
HTOBG62	2392	566830	1 - 1385	15 - 1399	AL042373, AV762633, AW976024, AV763026, AV763058, AW237905, AA916430, AL079734, AW068596, AW271904, AW069227, AI890324, AW270385, AW504485, BE968744, AI733856, BE138594, AW084445, AI380617, BF725884, AV756491, BF526964, AI610468, AW805539, AI821931, N23504, AI754653, AA747757, AW970571, BE501593, AA644090, AI282253, AA013168, BE062476, AV738383, AW023111, AW969743, BF854132, AA912287, AA129746, AA019973, AA935409, BF838037, AI440117, AV762430, AA533025, AI537020, AA483606, BE139139, BF917346, AW873261, AI250552, BE062478, AW805547, AA581170, AA570740, AW069769, AV759632, AV761107, BF868994, AA513851, AI254959, AI251284, AI251034, AI251203, BF918022, AV758870, BE000614, T05118, AI216990, AI687343, AI887235, AW970877, AW303098, AI369580, AA579179, AW131043, AW969831, AW500029, AW973992, BF724838, AV756809, AA535216, AI613389, AA568204, AW861303, AI366555, BG000961, AW328000, AI627614, BF725761, BE138387, AA054085, AA191418, AI469599, AW238484, AI923052, AA502532, AL036665, AV764259, BE143634,

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HTODA92	2393	849216	1 - 3247	15 - 3261	BG025133, BG252301, BG256960, AU139184, BF573562, AW962898, AV755338, BG178042, AI052015, AV713383, BE646366, BE779141, AW821363, AV714733, AI967934, BE466725, AI762866, BE540079, AA521340, AI961341, AI760946, BF790658, AA418619, AI934443, BE676035, AA495732, AW271423, AA418489, AW291246, AU153268, BF572820, AU157915, AI690162, BF382341, AI027103, AU157242, AI373598, AA287239, AA608664, AI378793, AI215146, BE044015, AI816931, BF694639, AI659673, AI131146, AA281951, AI214212, AA284518, AW071508, AA282426, AI741527, AA505183, AI492497, AA021637, AI016558, N63082, AA021536, BE254858, AI859894, AI206232, AU155682, AI241003, AI348565, AW673729, R52179, AI985539, D20067, AA826923, AW340509, AA234532, AA651747, AA018525, W07666, BF248215, BE463703, AA126698, AA040545, Z43691, N39487, AA706607, AI582541, AI340926, AW771286, AA040544, H00234, AA628081, AI373633, AA551543, Z39749, AW821369, N81038, AI918717, AA908355, H03772, AA127030, N26798, AI270238, AA018273, W61176, AW169433, AW119122, H04653, H04912, R52086, N24025, Z24915, AA495795, H22798, AA830013, H02876, W61138, BF154905, AW196318, H00183, AI354259, AW085566, BE002497, T34049, AA033680, AA548491, AA557423, AA921683, C18826, AI363820, BF154904, AA633148, BF154907, H04809, AA810094, AA492379, R43206, H04675, AW503320,

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HTODN35	2394	570901	1 - 1580	15 - 1594	AC009079.
HTODO45	2395	823125	1 - 1441	15 - 1455	AL135062, AC003101, AC009086, AC006084, AC021036, AL355385, AL031722, AL158196, AL022721, AC005911, AL354720, AC004558, AC005695, AL390738, Z85986, AP001064, AC005512, AL022396, AP001065, AL121712, AC005409, AL021453, AC005821, Z83844, AC002544, AP001754, AC006360, AL132653, AC011495, AL035089, AC002347, AC010102, AL162505, AC027557, AC027557, AL356262, and AL356262.
HTOEAS3	2396	842764	1 - 2006	15 - 2020	AA551161, AC012460, AC012460, AC073641, AC073641, AC012664, AC012664, and AC021136.
HTOEB55	2397	665897	1 - 1760	15 - 1774	AW052152, AI692791, AI675810, AA993573, AW440294, BF197589, AW015841, BE835321, BE835389, AI922338, BF940264, AA778162, BE835284, AI936249, AA040275, AI973075, AI920872, AA040616, AI567902, AI280556, AA654487, AA654540, AA040617, N68522, W80655, W92741, R80106, AV753878, W92835, AV754001, AV754389, AW009615, AA578357, C02030, AW439570, AA040274, AA706386, R79999, AA541498, W00718, F04539, AI565527, AA471322, AW974010, AI792460, AA758615, BE910743, AA557172, AI761787, W00717, BE835454, BF745250, N68523, AA579057, AF107885, X14891, X14149, J03241, I03321, and X14150.
HTOEB76	2398	688060	1 - 1605	15 - 1619	BF930911, AI912803, AI698800, BG149343, AW452971, AI458978, AI695400, BE464741, AL079999, AA805280, AL513553,

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HTOET03	2399	845230	1 - 1907	15 - 1921	AL518196, AU143366, BE276780, BE729353, AV716407, BE304958, BE384435, BE305159, AW363210, BE616174, BE253448, BE514964, BE407722, AA430295, BE300474, BF061111, AI018643, BE391472, AI343424, AW303813, BE299950, N58271, BE300287, BF002365, BE293940, BE302524, AI480373, AU160469, AI366086, AI215130, AW005372, AA550978, BG222285, BE895890, AA848070, AI874316, AI890471, AA026033, BE391652, BG028992, BE895891, AI971926, AI424057, AA618010, AW363187, AW363202, BE300048, AA503251, AI471672, AW079024, AA581314, AA443797, AA807231, AA232404, AI052290, AW771219, H52698, AA252674, AW589494, BF182707, W05332, AA009913, H63929, AA301241, AA009639, AI863702, H52976, AA582115, AA319431, AI191593, AI277054, AI763155, AL518197, R13210, AA302175, BE296024, R49690, AA252672, BE671776, AI962631, BE673057, AA283196, BE206541, AA468736, AA580407, AI244625, BF876107, AI470860, AA523626, N75539, AA299309, BE546211, AW609645, BE397354, BE396361, BE250095, BE513461, BE870657, BE267906, AF053003, and AC005038.
HTOET03	2400	837213	1 - 1906	15 - 1920	AL518196, AU143366, BE276780, BE729353, AV716407, BE304958, BE384435, BE305159, AW363210, BE616174, BE253448, BE514964, BE407722, AA430295, BE300474, BF061111, AI018643, BE391472, AI343424, AW303813, BE299950, N58271, BE300287, BF002365, BE293940, BE302524, AI480373, AU160469, AI366086, AI215130, AW005372, AA550978, BG222285, BE895890, AA848070, AI874316, AI890471, AA026033, BE391652, BG028992, BE895891, AI971926, AI424057, AA618010, AW363187, AW363202, BE300048, AA503251, AI471672, AW079024, AA581314, AA443797, AA807231, AA232404, AI052290, AW771219, H52698, AA252674, AW589494, BF182707, W05332, AA009913, H63929, AA301241, AA009639, AI863702, H52976, AA582115, AA319431, AI191593, AI277054, AI763155, AL518197, R13210, AA302175, BE296024, R49690, AA252672, BE671776, AI962631, BE673057, AA283196, BE206541, AA468736, AA580407, AI244625, BF876107, AI470860, AA523626, N75539, AA299309, BE546211, AW609645, BE397354, BE396361, BE250095, BE513461, BE870657, BE267906, AF053003, and AC005038.

HTOEV01	2401	634653	1 - 2192	15 - 2206	BF759925, C74984, AA010231, AA705096, BF870227, BF380652, AA010156, BF874915, AF111168, AC003101, AC006251, AL121981, AC005091, AL158830, AC005822, AC005103, AF047825, AC008556, AC007199, AC004491, AL031727, AJ009615, AC005971, AL031295, AL035405, AC016543, AL035587, AC011452, AC007011, AL109963, AC005725, AC004150, AL050349, AC024649, AC024649, AC024649, AC024450, AC024450, and AC024450.
HTOFA11	2402	637719	1 - 2583	15 - 2597	AA766214, BG106534, AW131668, BF663334, BG176917, AV716938, BG232022, BF663200, AA858023, AV714394, AA165543, AI523647, BF794643, AV715313, AW854143, BG236461, AI627929, BF663905, BF672671, BF846835, BG232008, BF916376, BG107139, AW614870, AW946904, AW515958, BE044123, AV735238, BF974604, AI817360, BG024963, AW574923, AV759623, AA746256, AW404796, BG058567, AV703116, BF976578, AA165510, AW405212, AA564957, AA131654, BG106095, AI889774, AA635838, BG176945, AI913770, AI141914, AW406262, BF891177, AV705121, AI097155, AV705966, AV707481, AA417879, AA634860, AA652656, AW474013, AW170583, BF874093, AI084034, AA703160, AI274173, AI433246, BG105961, AI149461, AI000769, AI554248, AI803471, BG024329, AW072121, BF377745, AA131588, AI025871, AW576067, AI358266, W87428, AA622265, AA708855, BF891581, BF891575, AA633257, AI469262, BF891202, AV691913, AV693666, AA159668, AA419168, AI865230, AI831123, AW337397, AI250702, BF884309, AW405771, AW406412, AV657580, AW406310, BF868985, BF891027, AA978343, BE827807, BF963070, AW402670, AA679851, W87573, BF868701, AW796429, AA159773, AW803386, AI719939, BG024343, AI141141, AW518174, AA482466, AW368560, AI193402, AA918569, AV717599, AW406295, AA887979, AI193894, AI633727, AW402410, AA775022, AA405114, AI336045, AV693491, R62321, AI709196, AW406388, AW406867, BF950596, BF874104, T65859, BF858183, AI758717, AW403503, AA878538, AW800018, AA385676, BE696755, AI905912, AW404237, BF330961, BF874095, AI819482, AI573045, AI347065, AI433194, BF869315, AI347068, AV741647, AI887132, AV734144, BF869593, BF891573, BF891196, AW016654, W37302, AA367085, R62322, AA862420, BE696751, W01611, AW403818, H92332, BF896819, BF378554, T89647, AW629664,

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HTOFC33	2403	824604	1 - 1061	15 - 1075	<p>AW410844, AV683406, AI065031, AL121039, BG180320, AI702049, AW265468, AW148821, AA180056, AA557945, AI570067, AI797998, AU147529, AI310670, AA425283, AI174703, AW409621, AW162314, BG059139, AW275432, AA659923, AI312267, AW975150, AI285651, AL044458, AI349130, AA507623, AW410409, AA631915, AI039257, AI003068, AI547110, AI224583, AI064968, BE273825, AI345166, AW975239, AV759046, AI921744,</p>

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HTOGB79	2404	762835	1 - 2764	15 - 2778	AU134362, AW026206, AU155378, AW501740, BF590448, BE005930, BF432174, AA702816, AA700286, AI423140, AW130453, AV709806, AA573453, AV732057, AU121918, AV730440, BG260565, BE538860, AU123691, AW965848, AV720570, BE895796, AV719402, BE540631, AV718718, AI679294, BE675240, AI679871, N23913, BE162539, AI266160, AI768429, BF770860, AW372037, AA126005, AA190895, AW935711, AA524604, AU125644, AL037632, BG164602, AA493245, AW979158, BE270471, H71678, AA521323, AA983673, AW440935, AI701026, AK023394, AC008569, AJ277546, AC004686, AC006285, AC006483, AC008474, AL096791, AC008806, AC005102, AC011491, AC018738, AC005529, U52111, AL157938, AL033529, AC009516, AL136295, AC004166, AC008372, AC022148, AF168787, AC004971, AP000556, AL049636, AC004526, AC005103, AF109907, AF047825, AP001725, AL109623, AF196779, AC007707, AC009123, AC005844, AC006023, AC010553, AP000350, AC005098,

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HTOHE22	2405	821698	1 - 1890	15 - 1904	BE093421, AA773006, AI340151, AI433104, BE538860, AW963117, AA715814, AI833293, BE963665, BF991208, AW270771, AA525174, BE062478, AC004049, AL035458, AL023879, AC005280, AL049780, AC007055, AL020997, AC004890, AC009314, AC005231, AC005089, AC018719, AL139100, AC006544, AL136168, AC009362, AC005632, AL035086, AC008738, AL136305, AC034242, AL031311, AC025593, AL136300, AC016594, AL109825, AL159168, AC005180, Z93015, AC008569, AC006101, AL096791, AC005080, AL109963, AP001695, AC007283, AC024561, AC009516, AC002996, AC007383, AC005399, AF196971, AC004801, AC005102, AL353807, AC006349, AF024533, AC011479, AC005236, AC005500, AL049539, AL080250, D87675, AX039602, AL139099, AC007620, AC005031, Z84469, AL133246, AL157951, AC069080, AC005081, AC005049, AP001670, AC011452, AC008474, AC021016, AJ295844, AL121903, AF228703, U47924, AC007850, AC005046, AL445687, AC018751, AC020913, Z93017, AL136172, AC018663, AC008155, AC008537, AC002425, AP000555, AL109758, AC004865, AC005288, AC005920, AC002301, AC004167, AC003101, AL137818, AC009079, AC009032, AC005874, AF134471, AC004967, AC020904, Z83838, AC020552, AL136137, AC007731, Z93930, AL133355, AL031681, AL049569, AC004166, AL031733, AC011811, AC007541, AC005821, AL162615, AC011480, AL121890, AC009756, AC003688, AC005071, AC004526, AC004383, AC005412, AL162430, AL121747, AL096701, U80017, AL137230, AC011455, AC007883, AC018758, AC011462, AC007597, AC005015, AC004953, AL136295, AC007308, AC004883, AC005520, AF196969, AC010271, AF165926, AC009060, AL035450, AC007314, Z97054, AB001523, AL158830, AC005522, AC008567, AL139353, AC006006, AL031667, Z95116, AL157838, AC002404, AL117382, AL034379, AC010458, AC006064, AC002492, AC010412, AJ277546, AC005696, AC005971, AL022316, AL157877, AC011475, AP000501, AC007637, AL121653, AC008044, AL034549, AC004000, AL022323, AL121586, AC007957, AL050348, AC005324, AB023051, AC008757, AE000658, AC008392, Z93023, AF001549, AC004263, AF205588, AF196972, AC020916, Z99128,

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HTOHG63	2406	834832	1 - 1904	15 - 1918	AW961335, AW957067, AA025362, AW630038, AI686133, AA860488, BG000058, AW057799, AI039243, AI537757, AA884973, AI300094, R64270, AI033166, AA514289, AA917425, AA025351, AA069927, AI240556, AU156467, H71729, AA294953, R68527, AW867943, R81636, R81433, AA971063, R48387, T86650, AI264794, Z30169, R68234, R48242, R48339, AA502578, BF991475, AA781045, AA369153, AA369152, W38498, Z30108, AA304188, AA613006, BG009518, AW869203, AA249514, BF911568, AA352783, AA485879, T90825, BF925888, AA514284, BE970195, AW183068, BF855321, AI057146, BF931686, T90826, BE969755, W03353, BE093537, AA133858, BF222081, AW860532, H43957, BE182414, AA628592, AA683022, BF906237, BF855305, AI791191, BF840206, AI784505, R11243, AI127181, BE093538, BF855285, AK023527, AX011654, AC012598, AL163283, AF165176, AC073316, AL359012, AL096793, AC009784, AC018645, AC004972, AL118520, AL442166, AC004582, AL163284, AL138914, AC007486, AC009333, AL080249, AC002086, AL158072, AC005053, AC005023, AL353738, AL163267, AL023581, AC008844, AP001730, AC022816, AC010139, AC006195, AC007237, AL133335, AC006210, AF207955, AP001727, AL035697, AP001709, AC002385, AC002990, AC017047, AC061958, AP001038, AL163303, AC004887, AC008069, AJ229042, AC006370, AP001037, AL158206, AC007912, AL137118, AP000039, AF001552, AL080275, AL357129, AB020869, AP000201, AF129078, AC023344, AC068313, AC069298, AP000097, AP001596, AP001715, AP001732, AC006062, AC006994, AC005751, AL138741, AL049613, AC002386, AC083870, AP001693, AC007077, AP001696, AP000221, AL163208, AL136300, AJ011931, AL121869, AL139112,

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HTOHJ93	2407	762836	1 - 1754	15 - 1768	and AC025268. AI281815, AI475337, AV759518, AA487885, AV760560, AI911929, AV702946, AW327784, AV733824, AW575358, AA744350, AW193465, BG059169, AW574920, AW574944, AI698491, AI476164, AI284078, AW080742, AW404780, AW193081, AI360572, AI698513, AI075109, AI538932, AW272923, BF974797, AW002833, AA809091, AI273083, AA650622, AL138455, BG059126, AW575295, AI066510, AV756220, AA713747, AV688454, AA805015, AI625360, AV760391, BE940533, AI634404, AW614944, N26204, AI829893, AV760389, AA770569, AW950372, AI660702, AA737933, AI912398, AI811759, AA961457, AA737943, AI014730, R83196, AI434160, AI628036, AI350812, AI434507, AI864916, AI371776, AA737901, AI697421, AW615325, AA527661, AI748973, T86846, AI625973, AA614655, AA632227, AA603214, AI660658, AA588598, AW467997, AA975647, AA738284, AA506036, BF342223, AA614783, AW276614, AA768061, AI863381, AA634071, AA742760, AA621960, AA321382, AA825947, AI831395, AA845910, N32777, AW193095, AA962003, AA595896, AA737870, AI865736, BF725761, AW504168, AI372087, AI934094, AW081935, AL138431, AI357035, AW084029, AA760655, BG150690, AW085862, AW468690, AA999934, AA904302, BF725844, AI150921, R49902, AA904288, AA742810, AV760019, AA552683, AA558948, AA715513, AI581738, AI832708, AI749760, AW970571, AI819543, AI061313, AI273106, AW664286, AI581110, AA663930, AW050795, AI860673, AA745402, AA807692, AV733431, AI754653, AV760466, BE882869, AI358198, BF379679, BE940073, BE940077, AW191888, AI433176, AI719526, AI819803, AI431690, AL042753, AI086727, AW191835, AW517589, AW002347, AA715283, AA904298, AI687032, BF094050, AW407632, AA410788, AI445453, AU127566, AI584046, AI476094, AW732205, BE940060, BG059314, AI735247, AI536827, AI439322, N23697, AI245893, AW084241, AA833875, AA833896, AA828054, AW079400, BE927966, AW083862, AI733856, BE940693, AI565916, AV662292, AW328331, AL040038, AW959378, AL041924, H14556, AA129746, BG180976, AA455483, AW263767, AI866017, BF946053, AI811741, BF379682, AA477503, AV709529, H25405, AV762645, AA489240, AV759199, AI609972, AW265614, AC002060, AL022324, AC007050, AL008723, AC006965, AC005015, AF207550, AC083863,
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HTOHM12	2408	740771	1 - 2182	15 - 2196	BF844623, AA640546, AA649509, AA649527, AW974642, AA324872, AC003989, AC003989, and AC003989.
HTOHM82	2409	732366	1 - 1547	15 - 1561	BE544612, BF243752, BF243733, BF243509, AA441827, AI472349, AL023656, AL356958, AL356958, AL356958, AL023656, AL023656, and AL023656.
HTOHN40	2410	843372	1 - 1949	15 - 1963	AU120502, AU146546, AA723441, AK001115, AL365321, AL365321, and AL137856.
HTOHR59	2411	762850	1 - 1286	15 - 1300	AI696962, AW069769, AW270310, AW264986, AA584125, AI754336, AW419262, AA491862, BF934742, BF913236, AW576503, F08248, BF149427, AI282511, AW504240, AV743392, AA714110, AA912287, F12561, AW571963, AI344948, AA581525, AI085242, N23913, AA468505, AA491650, AA745507, AA339245, AL079645, BE672637, AA522642, BE145119, AI890236, BF812839, AW020088, BE139146, AI524360, AL045813, AI821785, BE085529, AF001549, AC005291, AL121653, AL009179, AP001726, AC020744, AC004884, AL136319, AC002400, AC010463, AC008892, AC006345, AC011311, AC009134, AC003070, U95742, AL121655, AC009600, AL049553, AL117336, AL031281, AL022238, AC006251, AL050341, AL033533, AC005520, AL009051, Z98044, AP001713, AF243527, AC008519, AC006441, AC007536, AL021391, AC002492, AC004906, AP001759, AC011451, AC004980, AL139286, AC005353, AC005005, AL138775, Z82244, AC027319, AL118520, AC002331, AC007683, AL109825, AC011484, AC016948, AC006017, AC006120, AC007386, AC002544, AC004687, AJ246003, AC007744, AL136170, AL162578, AC005670, AC009955, AP001725, AP001688, AL078461, AC010363, AP000501, U91323, AJ003147, AC008403, AC004876, AL161731, AC055740, AL117338, AC013434, AC002316, U91326, AP000505, AC007954, AL050335, AC004408, AL023807, AC000052, AL096840, AC006160, AL031670, AC002395, AL133453, AP000113, AP000045, Z84469, AC006211, AC022148, AC011742, AL121751, AC002091,

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HTOHS29	2412	722256	1 - 1132	15 - 1146	AW970246, BF984248, AA534526, AW970327, AI018775, AW418743, AA534569, AI417188, AA282383, AV724594, AI829206, AW117236, AA446676, AA741185, AA913497, BF941432, W65301, AA446551, AA936790, AW243522, AW083517, AA620516, AA421569, AA837364, W65399, AA767166, AW263952, AA883727, AW806104, AW806014, AW806043, AW806045, AW806044, AW806102, AW805997, AW806036, AA384485, AW806070, AW806078, AI365433, AW806109, W89150, AW386102, AW806069, AA282040, AW806100, AW806084, AW806106, AA373550, BF094260, AW806088, T71404, BF094261, AA991822, T71270, AW806112, AA897570, AI423648, AA359732, AI695555, R63801, BE766223, AW806107, W89149, AA628650, AI376310, BF093414, BF093421, BE041314, AA421587, AW806011, AW806019, AA934063, BE905172, AC004148,

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HTOID65	2413	636069	1 - 1458	15 - 1472	AA488903, AW062728, AW062681, AA668147, AL118573, BE897079, BE968477, AL120058, AW276458, H80203, AA602906, AI267356, AI267450, BE378263, AL043009, BF131490, AA225141, F35374, AU118374, AV756809, BF813805, AA622801, AA489897, AW962388, AI679759, N72678, AI187148, AW007220, BE501593, BF030482, AW970856, H53546, BF905075, AI890283, AA936008, AA129746, AI733856, AA225226, BG112362, AW338035, AW338021, AV727065, BF030962, AW021674, AW963444, AI249447, AL042753, AA236867, AA470933, AW574899, AA191659, AI864500, AI280504, AI815210, AV707276, AV758849, AU134429, AW510513, BE244178, AI573198, AI149537, AC005015, AC006064, AP000689, AF196971, AC004491, AC005071, AL023879, AL049694, AC016830, U91323, AL391114, AC010553, AC018720, AC004865, AC004150, AC020904, AC008403, AC004534, AP000555, AC010271, AL139099, AC013436, AF215937, AF001549, AC004167, AC009001, AL031311, AC006581, AC010150, AC002470, AC008569, AL049840, AP000065, AF001548, AC010412, AL121653, AC016027, AC011479, AC005632, AP001753, AC004967, AF045555, AC005080, AC005089, AC005102, AL121897, Z82178, AC005488, AC004000, AF196779, AC008812, AC009086, AL359457, AC004638, AC004983, AL035249, AL022328, AB003151, AC006345, AC005399, AC005529, AC004477, AC008747, AC007688, AC008068, AC020552, AC006946, AC005899, AC005971, AL096840, AL354864, AC007308, AL121601, AL035458, AC005200, AL080242, AC010598, AP001710, AC006970, AC007850, AL050318, AP000211, AC008482, AC011497, AC005663, AL031284, AL133507, AC023105, AL445483, AC011442, AC006967, AC005088, AC027644, AC021016, AC005778, AC005562, AC002312, AL031584, AC008395, U91326, AL117336, AL121774, AC005052, AC024082, AC018719, AC009228, AC004166, U63630, AC004876, AP001719, AP001716, AL157838, AC004965, AC010311, AC007954, AL109984, AL121751, AC006039, AC005527, AC000025, U95742, AC002430, AC004796, AP000295, AC008745, AL137127, AL050349,

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HTOIE17	2414	688061	1 - 1103	15 - 1117	AA501609, T83285, T90751, T90742, T83292, AC010092, AC011497, AC020552, AL132639, AL035249, AC020916, AP001630, AC003665, AC005067, AP001748, AF053356, AL139390, AL353653, AL355385, AC004491, AC005086, AC008635, AL137139, AC007637, AL022476, U95740, AC011489, AL391122, AC002365, AC004826, AC008101, AC008068, AC007226, Z83822, AP001039, AC008738, AC011491, AC006241, Z97054, AC024075, AC006329, AC004089, AL121897, AC005696, and AC011462.
HTOIG16	2415	845999	1 - 1783	15 - 1797	AA679514, AV740801, BF677892, AL138265, AL119691, AA126450, BF668217, AA503475, AI284640, AW327868, AA623002, AW833862, AV762009, AL046409, AV764307, AW500125, AV763122, AA490183, AA581903, AV761362, AW960468, AA491284, AI431303, AW975987, AA877817, AV761489, AV762111, AA491814, AI537506, AV763354, AW501386, AV763971,

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HTOIH39	2416	839245	1 - 1421	15 - 1435	BF106181, BF573967, BE066933, AI791227, AL079869, AA601278, BE066918, AA680243, BE207261, BF131300, AU130725, AW850149, BG163541, AA101744, AL527073, AW961994, BE783394, AI732120, BF679977, AV761207, AV762220, BG058664, AW957502, AW504485, AA225406, BE616984, BF824950, AU124213, BE740358, BE066940, BF725884, AW958962, AW272294, BF901147, AI635028, AI923451, AV734476, AI815583, AI816537, AV695478, AI567106, AI282479, BF741126, AI054414, AA644090, AU140403, BF528078, BF872337, AL120694, AI923458, AV760760, BG028918, AA485343, AW965008, BE062478, BE147624, AI793208, BE138594, AU118374, AV702109, AA833875, AI890324, BE968744, AI870453, BF527620, AA806796, F35374, AA833896, AW600804, AA584489, AV763977, AI821835, AC021036, AL031311, Z94801, AC007216, AC008151, AL022318, AC002300, AC003667, AC007052, Z84469, AC004002, AC005291, AC007011, AP000555, AJ271736, AL132653, AC008641, AC009229, AC004409, AC006512, AL391114, AC004552, AC008403, AC008720, AC006121, AF168787, AP000688, AL163206, AC006026, AP001724, AC003101, AC002091, AL121865, AL354864, AC004668, AL049840, AC004087, AC008372, AC007969, AL096763, AB042297, AL391259, U47924, AC007687, AC003010, AL133340, AC003950, AL160231, AL109935, AC004859, AL031670, AP001713, AL139109, AL031846, AL139328, AL133353, AC018719, AL049760, AP001712, AL137230, AC008806, AC007376, AC008115, AL445483, AL138878, AC005829, AC005520, AC000003, AC005537, AP000350, AL080243, AC007225, AC004020, AC007899, AL133324, AP001751, AC004106, AL020989, AP000035, AF172277, AL034550, AC005670, AC004841, AL117336, AL122020, AL138832, AF003626, AL133545, AL022476, AL049779, AF225899, AL136296, AC004019, AC010205, AC022402, AC006208, AF196970, AP000501,

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HTOIH51	2417	843408	1 - 1458	15 - 1472	AU119709, AU145981, AI684472, AU146916, AI539035, AK022092, and AL157832.
HTOJB02	2418	600376	1 - 1433	15 - 1447	AL048969, BG028665, AV759046, AV762783, AV759851, AU117926, AV714931, BG164166, BG260565, AL046620, BF679169, AA524604, AI038990, AU155227, AV760360, AU119532, AU140392, AV763603, AU147226, BF882222, AV733710, AU145155, AI457152, AU147301, BF882223, AA577824, AL515875, AI054414, BF892846, BF877643, AW975169, AL042906, AI028148, AU146981, AV742485, BF244176, AI791227, AV720115, AV730440, AV732057, AV762975, AI354847, AV730167, AV760502,

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HTOJJ26	2419	821702	1 - 2989	15 - 3003	AU146939, AU121032, H83015, H82797, AA397475, AA224740, AK022101, AB020867, AC005163, AC005211, AC034166, AC034166, and AC034166.
HTOJP25	2420	853623	1 - 1510	15 - 1524	AA565136, AA937357, AA774908, AL040603, BF766732, BE080767, BF891696, BG230925, AL118895, AL133863, AA548059, BF899872, AW893340, BF208493, BE869508, AA804967, BF908629, AW974099, BE072977, AA496279, AW888812, R67785, AW945741, AW902136, AW861926, AW858481, AW861910, AW858449, AA484141, AW858516, AW812631, AL133785, AU119706, BE153697, AU121070, AU118935, BF214805, BF673799, AA077547, AA434354, AW845700, AW845696, BE145695, AA502863, AW973392, BF953515, AW938518, AW861911, AW858480, AW858518, AA604538, BF750582, AA167491, BE142932, AW867830, BE064768, BE064839, BE788398, AA099918, AU116829, AW945790, AA126741, AA130610, AW854788, AW818103, BE393138, AU136567, BF677837, AW806937, AW902129, BG030917, BE562885, AU120388, BF819939, BE142866, BE245834, AW898784, BF813834, BF997232, BE973874, BF928507, BF035187, AW854529, BF985737, BE157028, BF877761, BE142761, AW499607, AW806932, BE080988, AA481622, AC025169, AL049734, AL079333, AC002454, AC002366,

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HTOJS23	2421	737735	1 - 1828	15 - 1842	AW978204, AA731467, AW977908, AA805333, AA972375, AA811932, AL139409, AL356276, AL135978, and AC011500.
HTOJY56	2422	664504	1 - 1881	15 - 1895	AW975814, AI476795, AW081269, BF055546, BE219297, AA128302, AW276914, AA285053, BF108503, AA811755, AA731129, AW513764, AI393745, R71233, R71285, AA095218, AA282765, BF155890, H86248, AW470675, AW968217, BF940381, AA019370, AV750473, AI497888, BF432190, BF089429, AW235943, AA847878, AW194770, BF115312, BF196284, AA259118, AW975819, AF116683, AF061261, and AC025797.
HTOJZ18	2423	844388	1 - 1627	15 - 1641	AA486515, W84744, AI719574, W84799,

					AA676634, T50392, AA485910, T95864, T95858, AA563732, AL136976, and AC008083.
HTPCG10	2424	746488	1 - 1793	15 - 1807	AL533189, AL533148, AV702567, AA534372, AA813012, AA152068, AW950587, N92601, AA453883, AI056497, AA010469, AA013092, AA683557, AA453798, AI828754, AI523301, AA149822, BE551060, AI183474, T33707, AW072457, AA678846, AI473617, AI246388, AI278162, AI719994, BF911706, AA026104, AA029605, AI346627, AA011600, AI250758, AI128957, AA011667, AA864914, AA860201, AA733057, W94479, AA911467, AI826737, Z45099, BF197850, AV748798, BE763781, Z40837, AI560250, T31933, D78702, W94724, BF445808, AI351575, AA010374, H27072, AA485825, AA703533, BE936130, Z43856, AA907367, W38767, AA485694, C18041, BG009115, AI686146, W31927, AA377178, AA926916, AI351424, AA013091, AA235775, W31722, AA341627, AA094937, BE440229, BF908801, AA329510, AI655922, AI863157, AB023176, AF186779, AF186780, and AL080117.
HTPCO75	2425	853645	1 - 1453	15 - 1467	BF969488, BG109664, BG113966, BF980916, BF970168, BE465437, AA913515, BF667561, N47676, AI984260, AI561226, BE502740, AI016617, BG150307, AW665914, BE081361, BE710057, AA279712, BE220910, AI880662, AI812005, AI223871, AW449123, AA460500, BF184599, N47675, BF243896, AU145432, AA829587, AA931455, T05743, AI685691, BG121044, AA256899, R56024, AA654665, R56025, N51207, BF853453, AI808712, AI765168, BF589254, AW936494, AA910986, BE836669, BF114747, AW377241, AL050136, AK021741, AC002067, and Z92542.
HTPCW21	2426	737839	1 - 1279	15 - 1293	AW600302, AI991013, AC011298, and AC011298.
HTPDD68	2427	590530	1 - 2054	15 - 2068	BE903781, AW604148, AW604144, AW604156, AW604159, BF795838, BE142887, AW503445, BE885477, BE281406, AW604151, BE901079, AW367000, BF839031, AA948067, AW604149, AW993157, BF744791, BF744844, AW847704, BF092653, AA179457, AA504941, AW672834, BF841602, AW847896, AW847702, AW501244, BE898687, BE387364, BE540668, AW367051, BE813981, AW994444, BE897159, BE391639, AW499499, AW847823, AW769245, AW847822, AW847872, AW847691, AW503098, BE181260, BF092091, AW500130, BE081856, AW604157, AU133706, AW500057, BE772678, AW505012, BE543530, BE142870, AA774790, BG178091, BF907447, BE768593,

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HTPDV75	2428	608143	1 - 375	15 - 389	AA489212, AC022221, and AC022221.
HTSER28	2429	846644	1 - 2013	15 - 2027	AI862529, AI763180, AI832290, AW592033, AW380408, AI239517, AI094761, W20115, BE871271, AA678823, AA845362, AW362116, BF346825, AI628678, BE698055, BE280474, BF346889, AW297851, AW502503, H70652, BF840247, AW502666, AW973638, AW193661, AA724347, AA991178, AA554134, AW502776, BF084114, AA356346, AI560494, N90703, AW664501, AA090999, BE159478, AL035703, AB007947, AL035703, AL035703, AL035703, AC025929, AC025929, AL358788, and AL358788.
HTSET62	2430	833692	1 - 1331	15 - 1345	BF570095, BF528104, BF434361, AW974194, AI906320, AI381557, BF434363, BF593480, BE396074, W72347, BF883724, AI400422, W48752, BF109186, AI379860, AI199181, AW974195, AW138185, AA180855, AI884941, AI088403, AI201657, AI375375, W48753, AI971964, W73996, AI500332, AW139547, AI125577, AA488717, AI906309, R54997, R74341, AI360140, AI143714, BF755203, AA046103, AI886964, R69509, AU143883, AA180237, AA486835, BE094462, AI928707, AA045998, R52245, H97902, R74437, BF847427, AI916838, AI621241, R52246, BF851505, H43024, AA573239, AI914620, R70400, R48660, BF851510, AA495770, T88820, BG055906, C00267, R55134, R54924, T91787, BF856620, AA889364, AW078704, BE092980, BE252384, BF826852, AI990876, H43023, AL045500, AI799199, BG112879, AL514047, AI571909, AW590422, BG180996, AL514627, AI580190, AL514935, BE047852, AL514721, AI920968, AL514473, AL513911, BF970731, AL514791, AI583065, AL121270, AW238730, AI269205, AI554427, AL513713, AI613038, BF904258, BE966498, BF038131, AI474107, AI537303, AL514015, AV706185, AW150794, AI538716, AI926790, AL513991, AA640779, AL513907, BG249582, AL513597, AL513553, BF970768, AL514867, BG164371, BF812933, AI536638, BE881131, BG120816, AW983754, BG033199, BF971016, AW104724, BF960601, AL514063, AI687728, BF727091, AL513999, BE874133, AI673256, AW149869, BE964636, AI890833, BG180034, AI468872, AI613270, AL513803, BE781397, AI469532, AV729890, AI630928, BE964741, AL514087, AV706744, AL515413, AI612913, AI815232, BF970449, AL119863, BE966634, BF814453, BF039003, AI648454, BE891101, AL514543, AL513977,

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HTSFV18	2431	609939	1 - 1079	15 - 1093	<p>AL521922, BE883287, AW263093, BF313646, AW138285, AW071991, AL521921, AW770260, AI675221, AI554592, BE314279, AI937646, BF594284, BF898245, AI591042, AA812659, AW514835, BE205834, AI652785, AI160105, AW467594, BF204127, BF726023, AI360371, AW304967, H49760, BG056968, AW058610, AI151118, BE207280, AI198347, AI869732, H21181, AW452721, BE857971, AW628105, AW827074, T56560, R70332, BF431283, H21180, AI698300, AW517976, BF063521, AW615741, T77409, AI352593, AW473902, BE909019, F28930, BF904246, T60890, T60862, AA351797, AW771960, BF311013, AI289791, BF339711, AW409793, AL036780, AA583873, AV704234, AW162189, AI635634, AI421523, AA830358, T49776, BF032040, BG169738, BF970123, AL037602, AI097425, AL037582, AV714721, AV750565, BF984054, AW409813, AV703585, BF035553, BF035653, AA001397, AA766258, AB009462, AC008738, AB009463, AF085860, AK000414, AC012315, X80340, AK025092, AB047878, AF195092, AL117435, AR034821, AL162003, AL080227, AF044323, S69381, AL133619, AL157768, AX040974, AF161413, AR020905, AJ299431,</p>

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HTSGO13	2432	789723	1 - 1286	15 - 1300	AL520787, AL520786, AV721208, AW964820, BE746056, AV722250, AW043819, AW337976, AI863116, BF305060, AA229789, BE301714, BE047879, W69183, AW082908, W69184, BF875554, BE297463, AA341180, BE174500, R46831, F17698, AA985351, T60694, W92213, AF065216, AK000663, AK000550, AK000814, AF065215, AF121908, AC009877, and AC009877.
HTSGO88	2433	634834	1 - 784	15 - 798	BE796439, AI924251, AW131249, AL048626, BF826830, AV762783, AV700498, AV700545, AW972876, F25135, AU147352, AV700988, AI357778, BF792326, AV699709, AA584482, AW969988, AW079809, AA491960, BG236735, AW630298, BE872393, AA548029, BF806176, AI291124, AW467362, AA610491, BF805094, AW089625, AI927170, AI564185, BF668217, AI243789, AI246796, AV681599, AW467340, BE042475, AW794809, BE869857, BF915839, AI078409, AA523810, AI291268, AI354847, AA386111, AI192631, AI434695, AA176439, BF805092, AV715162, BE677379, AW962035, AW662543, AI284640, AV713243, AA668578, BE387734, AW404653, BF970654, AI302688, AI801591, AA486896, AV763255, AV762111, BF760919, AV763971, AV759274, AV761786, AA595206, AV735370, AL080243, AC002301, AC021016, AL160175, AP001717, AC004166, AC005841, AC005242, AP001748, AL353701, AC004675, AC006211, AC004019, AC005225, AL139100, AP000557, AC008569, AC011477, AF088219, AL162430, AC023490, AC005236, AC005037, AL096791, AC006483, AC007051, AC002996, AL163218, AC010328, AC005081, AB000882, AC027319, AL136305, AC005080, AL442167, AF191069, AL163285, AC020626, AF168787, AL133245, AL049776, AC020917, AC009408, AC007850, AP001720, AC002558, AJ400877, AC004382, AC010422, AC008567, AC011452, AF165926, AC006329, AC004867, AL049874, AL034380, AC005261, AC007316, AC009247, AF001549, AL139327, AC006101, AC002543, AC005102, AC005803, AC022392, AL163279, AL158040, AL021808, AC004089, AC005015, AC011462, AL031591, AC004841, AC007676, AC008267, AP001709, AL353807, AC007207, AP000115, AC006038, AP001728, AL137230, AC016397, AC005052, U95743, AL445687, AJ010770, AC006285, AC011442, AC002470, AC008626, AC002542, AL137787,

					AC007216, AL445483, AP001707, AC007114, AC004816, AC006241, AC005013, AC008770, AL135749, AP001670, U95742, AC017092, AC016995, AL136172, AC008736, AC009600, AC008372, AP001671, AC010271, AP001753, AC000026, AC003665, AC007919, AC005971, AL031588, AC006344, AC006023, AP001732, AP001716, AC008753, AC005920, AC005520, AC006040, AC021037, Z84480, AC006064, AC004106, AL033529, AC004832, AC018642, AC002350, AL031295, AC009086, AL109654, AC020599, AC007225, AC005324, AL050335, AX039602, AL022319, AP000555, AF243527, AP001711, AC005874, AF134471, AC018758, AL133500, AC002994, AL354680, Z99716, D87675, AL035072, AC007751, AC008413, AL158830, AC016830, AC011495, AC004854, AC006120, AL132825, AC005914, AC025430, AL031662, AC005237, AC007686, AL022165, AL138876, AC004167, AB003151, AL118520, AL137139, AL121601, AL121658, AC008688, AC004519, AC011473, AL365505, AP001714, AC000353, AC005527, AC007546, AF030453, AC004491, AC008738, AC006457, AC011811, AC006334, AL022336, AC004859, AL121781, AL138713, AF196969, AC020908, AC008733, AL031772, AC012351, AL079342, AL050341, AC005409, U85195, AC005940, AC004967, AL109758, AF053356, AC005837, AC006111, AC020552, AC008102, AL135744, AC084732, AL021154, AC012309, AC005088, AC009506, AC008551, AL135901, AC005005, AC005997, AC002059, AC005632, AC026239, AL035404, AL024508, AC004965, AC004383, AC005098, Z83826, AE000658, AP001718, AC005041, AJ229041, AL031228, AC022148, AC007371, AC011465, AC022335, AC025593, AL355392, AF134726, AL008718, AL354720, AL139396, AC006544, AL158198, AL022721, AC006512, AC006512, AC006512, AL162734, AL162734, AL162734, AC044819, AC044819, AC069199, AC069199, and AC069199.
HTTAH05	2434	772560	1 - 1036	15 - 1050	AA301254, AA278250, AC005696, AC073539, AC004026, AJ400877, AC005736, AL353807, AC004859, AC004821, AL109976, AC005082, and AL117336.
HTTAP37	2435	738417	1 - 1026	15 - 1040	BG114471, BF215431, AI889959, AI033416, AI094356, AW613654, AI028743, AA928014, H71406, AA300735, AA866115, BF382622, AW183009, AW367373, BG114478, AA906261, AA170838, BE565157, AU117020, AL138759, AK021443,

					AL138759, AL138759, AL138759, AL157835, and AL157835.
HTTBJ38	2436	863131	1 - 2350	15 - 2364	AL040793, BF212606, AI690694, BF668584, AI686729, AW772348, AA037130, D60079, AI561122, AA804265, AI271547, AA732090, AA836462, AI708828, AA506917, BE566297, N31290, AW971136, BF223550, AA252731, W04319, AA513198, Z25893, D60078, AV698924, AI479592, H41838, H44472, BF828011, H44437, BF828008, AI219242, AI253650, AW902885, AA746924, BF752694, BE468249, BF081196, AL157791, and AL049875.
HTTDB11	2437	638132	1 - 510	15 - 524	AV713058, AV711057, AV757361, BF674711, BF210996, BF669128, AV757378, BF696234, BF680185, BF213305, AV710011, AV762503, BF218454, AV713275, BF691890, BE879648, BF183967, BG107781, BF030931, BF678909, AV759741, BF694021, BF130488, BE737825, BE621230, AV718240, AV760906, AV763825, BF700252, AV763884, BE737936, BF131417, BE382909, AI300970, BF031789, BF311954, BF680987, BF687564, AW960477, AA420705, AV726000, BF030137, AV709855, BF977186, BF130245, AA037138, AV704641, W94387, AV760026, AV761431, AA452935, AI026827, AA759123, BF031280, AV712102, C04111, BF245092, AA740214, AV710192, AW975037, AA603736, AA420792, W73362, AI539708, AV741927, AV742177, BF216941, BF218346, BF664667, BF541889, BF681662, W42897, BE910259, BE278568, BE974089, AA927443, AI991267, AI289859, AA410851, N90296, AI302653, W42782, AA420645, AA452799, BF217502, AI498780, AA620329, W52206, AA446091, AV744122, AA229780, AI992006, BF213791, BF211019, N51380, AA608942, BF383058, AA528149, BF697310, AA829732, AW005091, AA639010, BF212304, AA528006, AA046403, AV744172, AI719412, F27713, AI832566, AI879454, BF212587, AI079172, BF217456, AI719040, BF217578, BE866578, AI721051, AI720811, AA603301, F24742, AA709301, BF675305, BF218610, BF216693, AA429738, AA829633, AI934774, AI749007, W73439, AI150531, BF679059, AI222693, F33771, W69436, AI369771, AA309812, AI750176, AA364333, C00224, AA476247, AA657753, AW262376, N78067, AA157755, BF246123, BE738431, W69519, BF594150, BE711191, AA772256, AA572852, AA572802, AA229884, AA082024, BE877942, BF342720, F36902, AA345517, AA320420, BF508322, AA360275, AA095867, AA157654, W19481, AA069722, AW316917, BF571307, BE738250, R98994, AA429737, R99772, AI266491, AW009135, AA328453, AA334344, AI078684, AW849461, BF382308,

					C15307, AA476246, AI720896, F34280, F24364, F22620, AA329110, AA357693, AA357694, AI582016, AW004601, AA373163, AI161388, AA345323, AI282436, AA302329, AA303658, AI536547, AA429736, BE711132, AA328346, AA662506, AA429870, BE711285, BE711138, BE711188, AA354870, AI564365, AA339886, AA904086, AA653807, AW054913, AA329071, AI932671, BF676612, AI440390, AA082067, AW873249, BE711288, N84114, AA770441, AA304282, AV737978, BE769082, R57949, BE901218, AI335622, AI709037, AA779475, F23508, AI253635, AI689490, AA365340, F35297, AI708333, AA876073, AI535770, AA089472, AW751010, BF217408, AW806746, AW605798, BF349020, AW605578, F29801, AA292073, AA127917, T77775, AI990522, BG057106, AV752827, AI002956, AL049447, AX033851, A84916, A62298, AX047063, AJ302649, AX047062, Y17188, AX047064, A62300, X67155, AR070327, AR025207, AX020191, A67220, D89785, AX027925, A78862, AJ132110, AX020190, D34614, D26022, D88547, AX021518, AX035434, A25909, AX015396, AF260572, AB012117, AJ287395, AF135125, A85477, A85396, AR074141, AR066482, I19525, A44171, A86792, AR088705, AX042372, X93549, AB033111, AX035429, AX035428, AX035426, AR064240, AB037923, AR092424, and Z32749.
HTTDG27	2438	608318	1 - 697	15 - 711	H88658, H88703, and AF086022.
HTTDN24	2439	766485	1 - 1978	15 - 1992	AL513751, BG035744, BE792734, BE535814, AI968100, AI638191, AI962526, AW590203, AW593447, AW590212, BE541446, BE220296, AA205663, BE564856, BF769037, AI968771, AI632511, AW250856, AA205775, AA205709, BF843264, AA773929, N53214, AA486579, N30623, AI655137, AW014522, BE564422, AI742717, BF028977, BE672098, AA777617, AI146844, AW577576, AI159827, AA563660, BF027920, AI637620, AI078792, AI990191, BF062933, BF062045, AW044164, BF770158, AA256059, N32225, BF769030, BF769032, BF445417, AA486679, AW959397, W22630, AA554325, R59984, AW006249, AW236554, AW577601, AA765281, AI653704, AI206329, R67166, AW243537, AA205674, H00645, T16860, AA256068, N57321, H00733, N41868, T16861, AI149479, AI906144, N59086, BF926652, AA909318, AW594490, AA299517, N58615, AA641283, AA644247, AW236428, AI820831, BG009693, BF851615, AA743510, Z42234, AA834460, AA548119, AI672532, F07004, Z40114, F01762, AA301407, BF085945, BF931293, AA205611, AI638784, BF085928, AA983380, BF059602, AW192770, BE714630, AA205702,

					AI078796, AF310106, AK000784, AK025952, AF298547, and AK026387.
HTTDO33	2440	899418	1 - 1147	15 - 1161	AL530721, AL535616, AL535119, AL535118, AL519666, AL527421, BE616833, AI143875, BE531183, BE733522, AI936768, BF338122, BE791841, BE279508, BG166378, AL514911, BG028440, BE548506, BE884261, AL519667, BF316834, AW383962, AI356580, AI923443, AL530722, BE885582, BG028236, BE538131, BF967004, AA430386, BE787814, AA652668, AI445933, AW966111, AI623391, AI091508, AI016436, AW328667, AA843275, BG235946, BF526124, AI127186, W30776, AI343882, H59109, AA749379, AI075102, AL514912, BE018163, AW009389, AI343898, AA975241, BE562991, AA421159, AW796725, AA489517, AA557505, AV721687, W52668, BE839013, R81293, W31318, AI420624, AW996278, H78414, AW162266, BF337914, N41774, N94429, H45798, N71146, AI074236, H59149, BF920577, AA514243, BF094301, AW516923, BF526680, BE182231, AA340697, BF970815, R13786, BE147956, BE743124, AI634953, BE174918, AA568565, AA680312, R82993, R48834, BF348259, BF527275, N92435, R53178, BE148038, BE855808, H65279, AA352634, AW517144, T85430, AA429288, H65278, AA397847, AW517152, W15647, AA333932, AA477374, AA436429, AA284614, AI097033, BF589632, AA085871, AW291918, R24417, BE834416, AW591712, AI934851, AA806434, T58603, AI459882, BE349544, AI635843, BE674988, AW003379, AW770382, AA411549, BE269328, T83974, BG011177, BF448228, AW071157, AA838218, AA039332, AI720049, AA405255, AW172820, AI929800, AA592907, AA464673, AW044578, BE925426, AA041417, W52667, AA761016, C05210, AW770463, AW513137, AA588835, AA612964, AW513522, BF115287, AI346987, AI744978, AI808213, AA489518, AW190970, D56146, BE834467, T50155, BG056404, AW996589, H72570, AW673233, AI815068, AW152092, AW050747, AI950068, AW301144, AA483524, T81890, AA678902, BE465583, BE834085, AV687942, AA659795, AA448899, AA081295, AI816986, AA287506, AI380091, AA708347, BE350556, AI160804, AI024256, AA931271, W74217, AA290806, AA935040, BE328782, F25719, AA287210, AA081185, BF365442, AL527460, AI278531, AA041377, AA284883, N84553, F35772, Z44613, AA079066, AA825323, R27171, T58548, N70036, AI074208, AA287368, AA385487, AI817348, AA126677, T12480, AA129242, C05561, BE720127, AA464570, AA653509, R89302, AA427865, AA129279, AA746044,

					AA481372, BE926998, BE328785, N32773, AA832261, AA336234, BE296513, AA477128, AA873636, AI367990, BF984475, AL533591, R37644, N80829, AW467927, F20646, AA476577, R89303, BF899478, AW328731, AI200308, AI364059, AW470212, AW471418, AA954681, AI014648, R81187, AL520407, AX015358, AJ011916, AC020893, AC003688, AC003688, AC003688, and AC003688.
HTTDT67	2441	801964	1 - 1241	15 - 1255	BF966800, BE173404, AI638714, AW575488, AW665491, BG257365, BF057478, AW170540, BF026211, AU154792, AI797068, BF672396, AW194923, BE501241, AA496986, N31722, AI336019, AI581897, AA225593, AI376201, AA937947, AI693745, BE795802, AI375035, AW206448, BE328178, AI678171, BF907882, AI095855, AI468546, BF841848, AW515128, AI224052, AA347155, AW162778, AI873215, AA768289, AA806769, AI802174, AI018398, AW304413, AI201154, AI913367, AW162672, BG180392, H69303, N42377, AA490583, AA936076, AW274277, AA134571, AI910405, AI985528, BF829632, T12406, H69398, F11295, AL117584, AK001767, AL356481, and AL356481.
HTTEO25	2442	853403	1 - 2190	15 - 2204	AI669756, AA702169, BF794976, AU155294, AA947849, AU143942, AV702646, AA913810, AA737430, AA931842, AU154167, BE871457, AV751516, AA669086, AU153108, AA173975, AA431364, AI623361, AA745248, AI204549, AI805982, BF818112, N67791, AA190986, AI184666, AI076306, AI240113, AA703012, AA767028, AW087157, AA868048, AI806117, AA001972, AI818391, BF055207, AW592029, AA934888, AW867723, AA740649, N32967, AW673963, AA001343, AA989496, AA236357, N48877, AI685382, AI459762, AI052806, AA862000, AA234225, H98033, AW167497, BF132601, AI510782, AW969397, AA854051, AI189887, AW130474, R61271, N58758, AI420226, AI174620, H69605, H97407, AA494425, H96760, AA782147, AW973669, H96227, AA854088, BF438847, R76064, AI128608, H28431, AI217794, AA778850, AA559020, H30903, AW265733, BF185822, AA432362, BF670935, W03624, AW362595, AW362589, AU150088, AA507052, BF670942, T65030, F09582, BE041509, N45632, H39910, R75888, BF988573, BE464828, AW238968, AK023168, AX013714, AB014578, and AC020632.
HTTEP11	2443	562023	1 - 1395	15 - 1409	BE044041, AW971918, AI553943, AW468846, AA683145, AI683958, AA836652, BF056790, AW292966, AI913117, AA836632, AI825278, AA767837, AA835733, AW050512, AW805886, AW021355,

HTTES77	2444	844417	1 - 2375	15 - 2389	AI950241, AL137700, and AC023886. AV752421, AA442553, AI222368, BE171732, AI219902, AA971562, AI613312, AW837026, AI076120, BE169779, AL079598, AI222369, AI613348, AA789256, AI217795, H63908, AA992729, AA780028, H52060, AL079599, H72239, AI355315, BE168611, AI222394, H83236, BE168574, H83003, AV749757, AA573226, BF061190, BE710148, BE710135, W05184, AA678334, H63508, AI264941, H71675, BE170952, H66025, AA301322, R43214, AW952896, R17121, AA342392, BE174647, BE163788, AW607684, N75971, BE162242, H66024, N57992, AW837049, BE708001, AV727120, AA054850, BE707906, Y10523, AB002362, AF034198, and AL137369.
HTTFD29	2445	853404	1 - 1324	15 - 1338	AC019110, and AC074392.
HTTFG15	2446	600377	1 - 1067	15 - 1081	AI016355, BE748681, BF115344, AA235007, AI952739, AU156046, AA292833, AI972435, AI094184, BF062336, AW291444, BE466918, AA398772, AA030055, AI669911, AI755137, Z98502, BE966735, BE622748, AI422723, AI765946, AI692372, AI700617, AI202049, AA433885, AI399755, AI204376, R24584, H06388, AI370419, R15227, AA028919, Z45885, BE748001, AW611628, BF083453, W01784, BF435356, Z98501, AA236266, BE927589, AW937038, AA434564, AL038099, AW937042, BG055244, R25008, AW897936, BE879668, AA834633, BE382371, BF967330, AW818549, BF872728, BE644907, AA457520, AW818551, AK001853, AC000073, AC000085, AC078854, AB045357, AF003528, AC006222, Z69908, AL136092, AC006231, AL034399, AP000096, AP002532, AC004822, AL132671, AC034194, AP000240, AL049861, AL049834, AC026204, AP001684, AL360227, AC024600, AC012049, AC016254, AP001705, AC005701, AL160176, AL353667, AC007099, AL049798, AL021026, AC011890, AL035562, AL354811, AC007539, AL445490, AC007676, AC008279, AL034369, AC004057, AC004791, AC005199, AC006019, AL050333, AL356962, AC008372, U96409, AC006145, AC008664, AL161804, AL132827, AL132855, AL356022, AF241727, AC018797, AL121986, AL137191, AC006516, AL389883, AL157938, AF224669, AL035411, AL031000, and AL135926.
HTWAM19	2447	618318	1 - 1863	15 - 1877	BF378746, AW979191, BE062478, AV762633, AW265688, AL042667, AL042670, AL037856, BF805088, AI679002, AA720732, BE156532, AA557911, BF965775, AW833901, BG236628, BF681619, AI797998, AW505253, BE062545, AW970877, AA856961, AA610509, BF917346, AI753904, BF436273, T09219, AW957154, AI696878,

					AA491955, AI360521, AW516097, AI568376, AA584765, AW104161, AA574442, AW270771, AI612142, AA555232, AI815210, AW969941, AW131417, AI431513, BF477463, AA595661, AV718585, H77492, BE245576, AW179305, AA525807, AA526683, AI887235, AA584241, BE019467, AI570118, AC005529, AL050321, AC004882, AC005332, AC008651, AC021016, AL138740, AL132821, AL031120, AP001718, AC008812, AL121938, AC002563, AC006348, AC006430, AL158832, AC004694, AC002115, AC004616, AL121978, AC004874, AC005046, AC004551, AC007425, U95740, AL354680, AC002073, AL034429, AC002465, AP000014, AC004837, AC005409, AP001729, AL049870, AC004982, AC004664, AC022509, AC083863, AC011470, AC006511, AL139421, AL139150, AL136179, AC007529, AC021863, AF001548, AL035671, AC016602, AC020908, AL138717, AC007637, AC002288, AC004966, AC024168, AJ277546, AC025439, AL035691, Z84466, AP000065, AC016568, Z97876, AL035086, AL355530, AC018758, AL136529, AL035696, AC006330, AC023134, AL139328, AL109614, U91319, AF130248, AC004216, AC019171, AF246928, AC007561, AC009024, AF228703, AC007251, AL021395, AP001711, AC005011, AL138756, AL135844, AL021707, AP001054, AL442166, AC004033, AC009314, AC009464, AL163284, AC008738, AL035588, AC007934, L78810, AC006064, AC016597, AL391833, AC020552, AC011464, AF045450, AC007533, AL035423, AL121983, AF064860, AC007860, AC007221, AL022343, AC002546, AL138761, AC004253, AC018755, AC004865, AL136300, AF042484, AL365475, AL034372, AC068799, AF222856, AP001760, AC008843, AL163280, AF222854, AL033529, AF181896, AF238380, AL360227, AL031662, AC005771, AL355136, AC011460, AP001753, AL118525, AL035089, AL137839, AC005587, AC007391, AL050335, AL117338, AC010311, AL137786, AB020865, AC016576, AC022596, AL136369, AC004098, AL121754, AC007619, AB001523, AL163208, AC004745, AC005060, AP001728, AL138773, AC006441, AC000387, AC004671, AC084693, AL139824, AC002541, AL139295, AC004765, AC009499, AC005756, Z84482, AC004834, AC008074, AC026424, AC007676, AC007956, AC005899, AC005018, AC009060, AC004876, AC006457, AC005086, AC013434, AL031390, AP000212, AP000134, AL354829, AC005004, Z84484, AC006948,
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